



Wanma CO.
002276



FLEX-CS03S

Industrial Equip Drag Chain Cable

30V 80°C Flexible Drag Chain Signal Cable

[Shield]

5 million bending life, suitable for signal transmission in drag chain laying application.
FRPVC insulation /FRPVC jacket.

Sheet 1

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-CS03S.2P.015	2x2x0.15mm ² (26AWG)	19/0.10	0.90	5.2	140
FLEX-CS03S.3P.015	3x2x0.15mm ² (26AWG)	19/0.10	0.90	5.8	140
FLEX-CS03S.4P.015	4x2x0.15mm ² (26AWG)	19/0.10	0.90	6.2	140
FLEX-CS03S.5P.015	5x2x0.15mm ² (26AWG)	19/0.10	0.90	6.6	140
FLEX-CS03S.6P.015	6x2x0.15mm ² (26AWG)	19/0.10	0.90	7.0	140
FLEX-CS03S.7P.015	7x2x0.15mm ² (26AWG)	19/0.10	0.90	7.5	140
FLEX-CS03S.10P.015	10x2x0.15mm ² (26AWG)	19/0.10	0.90	8.0	140
FLEX-CS03S.12P.015	12x2x0.15mm ² (26AWG)	19/0.10	0.90	8.5	140
FLEX-CS03S.2P.02	2x2x0.2mm ² (25AWG)	26/0.10	1.0	5.7	111
FLEX-CS03S.3P.02	3x2x0.2mm ² (25AWG)	26/0.10	1.0	6.2	111
FLEX-CS03S.4P.02	4x2x0.2mm ² (25AWG)	26/0.10	1.0	6.7	111
FLEX-CS03S.5P.02	5x2x0.2mm ² (25AWG)	26/0.10	1.0	7.2	111
FLEX-CS03S.6P.02	6x2x0.2mm ² (25AWG)	26/0.10	1.0	7.4	111
FLEX-CS03S.7P.02	7x2x0.2mm ² (25AWG)	26/0.10	1.0	7.9	111
FLEX-CS03S.10P.02	10x2x0.2mm ² (25AWG)	26/0.10	1.0	8.5	111
FLEX-CS03S.12P.02	12x2x0.2mm ² (25AWG)	26/0.10	1.0	9.2	111
FLEX-CS03S.2P.025	2x2x0.25mm ² (24AWG)	32/0.10	1.05	5.9	87.6
FLEX-CS03S.3P.025	3x2x0.25mm ² (24AWG)	32/0.10	1.05	6.5	87.6
FLEX-CS03S.4P.025	4x2x0.25mm ² (24AWG)	32/0.10	1.05	7.0	87.6
FLEX-CS03S.5P.025	5x2x0.25mm ² (24AWG)	32/0.10	1.05	7.6	87.6
FLEX-CS03S.6P.025	6x2x0.25mm ² (24AWG)	32/0.10	1.05	7.9	87.6
FLEX-CS03S.7P.025	7x2x0.25mm ² (24AWG)	32/0.10	1.05	8.3	87.6
FLEX-CS03S.10P.025	10x2x0.25mm ² (24AWG)	32/0.10	1.05	9.0	87.6
FLEX-CS03S.12P.025	12x2x0.25mm ² (24AWG)	32/0.10	1.05	9.6	87.6
FLEX-CS03S.2P.03	2x2x0.3mm ² (23AWG)	37/0.10	1.20	6.4	69.2
FLEX-CS03S.3P.03	3x2x0.3mm ² (23AWG)	37/0.10	1.20	7.1	69.2
FLEX-CS03S.4P.03	4x2x0.3mm ² (23AWG)	37/0.10	1.20	7.8	69.2
FLEX-CS03S.5P.03	5x2x0.3mm ² (23AWG)	37/0.10	1.20	8.0	69.2
FLEX-CS03S.6P.03	6x2x0.3mm ² (23AWG)	37/0.10	1.20	8.6	69.2
FLEX-CS03S.7P.03	7x2x0.3mm ² (23AWG)	37/0.10	1.20	9.0	69.2
FLEX-CS03S.10P.03	10x2x0.3mm ² (23AWG)	37/0.10	1.20	9.9	69.2
FLEX-CS03S.12P.03	12x2x0.3mm ² (23AWG)	37/0.10	1.20	10.8	69.2
FLEX-CS03S.2P.034	2x2x0.34mm ² (22AWG)	42/0.10	1.30	6.9	55.4

FLEX-CS03S.3P.034	3x2x0.34mm ² (22AWG)	42/0.10	1.30	7.6	55.4
FLEX-CS03S.4P.034	4x2x0.34mm ² (22AWG)	42/0.10	1.30	8.3	55.4
FLEX-CS03S.5P.034	5x2x0.34mm ² (22AWG)	42/0.10	1.30	8.8	55.4
FLEX-CS03S.6P.034	6x2x0.34mm ² (22AWG)	42/0.10	1.30	9.1	55.4
FLEX-CS03S.7P.034	7x2x0.34mm ² (22AWG)	42/0.10	1.30	9.6	55.4
FLEX-CS03S.10P.034	10x2x0.34mm ² (22AWG)	42/0.10	1.30	10.7	55.4
FLEX-CS03S.12P.034	12x2x0.34mm ² (22AWG)	42/0.10	1.30	11.5	55.4
FLEX-CS03S.2P.05	2x2x0.5mm ² (21AWG)	64/0.10	1.55	7.7	43.6
FLEX-CS03S.3P.05	3x2x0.5mm ² (21AWG)	64/0.10	1.55	8.7	43.6
FLEX-CS03S.4P.05	4x2x0.5mm ² (21AWG)	64/0.10	1.55	9.5	43.6
FLEX-CS03S.5P.05	5x2x0.5mm ² (21AWG)	64/0.10	1.55	10.0	43.6
FLEX-CS03S.6P.05	6x2x0.5mm ² (21AWG)	64/0.10	1.55	10.4	43.6
FLEX-CS03S.7P.05	7x2x0.5mm ² (21AWG)	64/0.10	1.55	11.1	43.6
FLEX-CS03S.10P.05	10x2x0.5mm ² (21AWG)	64/0.10	1.55	12.6	43.6
FLEX-CS03S.12P.05	12x2x0.5mm ² (21AWG)	64/0.10	1.55	13.7	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange orange	Black 1 dot	11#	a-Insulated core wire	Orange orange	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot
2#	a-Insulated core wire	Grey Grey	Black 1 dot	12#	a-Insulated core wire	Grey Grey	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot
3#	a-Insulated core wire	White White	Black 1 dot	13#	a-Insulated core wire	White White	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot
4#	a-Insulated core wire	Yellow Yellow	Black 1 dot	14#	a-Insulated core wire	Yellow Yellow	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot
5#	a-Insulated core wire	Light blue Light blue	Black 1 dot	15#	a-Insulated core wire	Light blue Light blue	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot
6#	a-Insulated core wire	Orange Orange	Black 2 dot	16#	a-Insulated core wire	Orange Orange	Black 4 dot
	b-Insulated core wire		Red 2 dot		b-Insulated core wire		Red 4 dot

7#	a-Insulated core wire	Grey	Black2 dot	17#	a-Insulated core wire	Grey	Black 4 dot
	b-Insulated core wire	Grey	Red 2 dot		b-Insulated core wire	Grey	Red 4 dot
8#	a-Insulated core wire	White	Black 2 dot	18#	a-Insulated core wire	White	Black 4 dot
	b-Insulated core wire	White	Red 2 dot		b-Insulated core wire	White	Red 4 dot
9#	a-Insulated core wire	Yellow	Black 2 dot	19#	a-Insulated core wire	Yellow	Black 4 dot
	b-Insulated core wire	Yellow	Red 2 dot		b-Insulated core wire	Yellow	Red 4 dot
10#	a-Insulated core wire	Light blue	Black 2 dot	20#	a-Insulated core wire	Light blue	Black 4 dot
	b-Insulated core wire	Light blue	Red 2 dot		b-Insulated core wire	Light blue	Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



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FLEX-CS30S

Industrial Equip Drag Chain Cable

300V 80°C Flexible Drag Chain Signal Cable

[Shield]

5 million bending life, suitable for signal transmission in drag chain laying application
SRPVC insulation /FRPVC jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-CS30S.2P.015	2x2x0.15mm ² (26AWG)	19/0.10	1.0	5.7	140
FLEX-CS30S.3P.015	3x2x0.15mm ² (26AWG)	19/0.10	1.0	6.2	140
FLEX-CS30S.4P.015	4x2x0.15mm ² (26AWG)	19/0.10	1.0	6.7	140
FLEX-CS30S.5P.015	5x2x0.15mm ² (26AWG)	19/0.10	1.0	7.2	140
FLEX-CS30S.6P.015	6x2x0.15mm ² (26AWG)	19/0.10	1.0	7.4	140
FLEX-CS30S.7P.015	7x2x0.15mm ² (26AWG)	19/0.10	1.0	7.9	140
FLEX-CS30S.10P.015	10x2x0.15mm ² (26AWG)	19/0.10	1.0	8.5	140
FLEX-CS30S.12P.015	12x2x0.15mm ² (26AWG)	19/0.10	1.0	9.2	140
FLEX-CS30S.2P.02	2x2x0.2mm ² (25AWG)	26/0.10	1.10	5.9	111
FLEX-CS30S.3P.02	3x2x0.2mm ² (25AWG)	26/0.10	1.10	6.5	111
FLEX-CS30S.4P.02	4x2x0.2mm ² (25AWG)	26/0.10	1.10	7.0	111
FLEX-CS30S.5P.02	5x2x0.2mm ² (25AWG)	26/0.10	1.10	7.6	111
FLEX-CS30S.6P.02	6x2x0.2mm ² (25AWG)	26/0.10	1.10	7.9	111
FLEX-CS30S.7P.02	7x2x0.2mm ² (25AWG)	26/0.10	1.10	8.3	111
FLEX-CS30S.10P.02	10x2x0.2mm ² (25AWG)	26/0.10	1.10	9.0	111
FLEX-CS30S.12P.02	12x2x0.2mm ² (25AWG)	26/0.10	1.10	9.6	111
FLEX-CS30S.2P.025	2x2x0.25mm ² (24AWG)	32/0.10	1.15	6.2	87.6
FLEX-CS30S.3P.025	3x2x0.25mm ² (24AWG)	32/0.10	1.15	6.9	87.6
FLEX-CS30S.4P.025	4x2x0.25mm ² (24AWG)	32/0.10	1.15	7.5	87.6
FLEX-CS30S.5P.025	5x2x0.25mm ² (24AWG)	32/0.10	1.15	7.8	87.6
FLEX-CS30S.6P.025	6x2x0.25mm ² (24AWG)	32/0.10	1.15	8.2	87.6
FLEX-CS30S.7P.025	7x2x0.25mm ² (24AWG)	32/0.10	1.15	8.8	87.6
FLEX-CS30S.10P.025	10x2x0.25mm ² (24AWG)	32/0.10	1.15	9.7	87.6
FLEX-CS30S.12P.025	12x2x0.25mm ² (24AWG)	32/0.10	1.15	10.5	87.6
FLEX-CS30S.2P.03	2x2x0.3mm ² (23AWG)	37/0.10	1.20	6.4	69.2
FLEX-CS30S.3P.03	3x2x0.3mm ² (23AWG)	37/0.10	1.20	7.1	69.2
FLEX-CS30S.4P.03	4x2x0.3mm ² (23AWG)	37/0.10	1.20	7.8	69.2
FLEX-CS30S.5P.03	5x2x0.3mm ² (23AWG)	37/0.10	1.20	8.0	69.2
FLEX-CS30S.6P.03	6x2x0.3mm ² (23AWG)	37/0.10	1.20	8.6	69.2
FLEX-CS30S.7P.03	7x2x0.3mm ² (23AWG)	37/0.10	1.20	9.0	69.2
FLEX-CS30S.10P.03	10x2x0.3mm ² (23AWG)	37/0.10	1.20	9.9	69.2
FLEX-CS30S.12P.03	12x2x0.3mm ² (23AWG)	37/0.10	1.20	10.8	69.2
FLEX-CS30S.20P.03	20x2x0.3mm²(23AWG)	37/0.10	1.20	14.0	69.2
FLEX-CS30S.21P.03	21x2x0.3mm²(23AWG)	37/0.10	1.20	14.3	69.2

FLEX-CS30S.2P.034	2x2x0.34mm ² (22AWG)	42/0.10	1.30	6.9	55.4
FLEX-CS30S.3P.034	3x2x0.34mm ² (22AWG)	42/0.10	1.30	7.6	55.4
FLEX-CS30S.4P.034	4x2x0.34mm ² (22AWG)	42/0.10	1.30	8.3	55.4
FLEX-CS30S.5P.034	5x2x0.34mm ² (22AWG)	42/0.10	1.30	8.8	55.4
FLEX-CS30S.6P.034	6x2x0.34mm ² (22AWG)	42/0.10	1.30	9.1	55.4
FLEX-CS30S.7P.034	7x2x0.34mm ² (22AWG)	42/0.10	1.30	9.6	55.4
FLEX-CS30S.10P.034	10x2x0.34mm ² (22AWG)	42/0.10	1.30	10.7	55.4
FLEX-CS30S.12P.034	12x2x0.34mm ² (22AWG)	42/0.10	1.30	11.5	55.4
FLEX-CS30S.2P.05	2x2x0.5mm ² (21AWG)	64/0.10	1.65	7.9	43.6
FLEX-CS30S.3P.05	3x2x0.5mm ² (21AWG)	64/0.10	1.65	9.1	43.6
FLEX-CS30S.4P.05	4x2x0.5mm ² (21AWG)	64/0.10	1.65	10.0	43.6
FLEX-CS30S.5P.05	5x2x0.5mm ² (21AWG)	64/0.10	1.65	10.7	43.6
FLEX-CS30S.6P.05	6x2x0.5mm ² (21AWG)	64/0.10	1.65	10.9	43.6
FLEX-CS30S.7P.05	7x2x0.5mm ² (21AWG)	64/0.10	1.65	11.8	43.6
FLEX-CS30S.10P.05	10x2x0.5mm ² (21AWG)	64/0.10	1.65	13.2	43.6
FLEX-CS30S.12P.05	12x2x0.5mm ² (21AWG)	64/0.10	1.65	14.2	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange orange	Black 1 dot	16#	a-Insulated core wire	Orange orange	Black 4 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 4 dot
2#	a-Insulated core wire	Grey Grey	Black 1 dot	17#	a-Insulated core wire	Grey Grey	Black 4 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 4 dot

3#	a-Insulated core wire	White	Black 1 dot	18#	a-Insulated core wire	White	Black 4 dot
	b-Insulated core wire	White	Red 1 dot		b-Insulated core wire	White	Red 4 dot
4#	a-Insulated core wire	Yellow	Black 1 dot	19#	a-Insulated core wire	Yellow	Black 4dot
	b-Insulated core wire	Yellow	Red 1 dot		b-Insulated core wire	Yellow	Red 4 dot
5#	a-Insulated core wire	Light blue	Black 1 dot	20#	a-Insulated core wire	Light blue	Black 4 dot
	b-Insulated core wire	Light blue	Red 1 dot		b-Insulated core wire	Light blue	Red 4 dot
6#	a-Insulated core wire	Orange	Blak2 dot	21#	a-Insulated core wire	Orange	Black dot
	b-Insulated core wire	Orange	Red2 dot		b-Insulated core wire	Orange	Red dot
7#	a-Insulated core wire	Grey	Black2 dot	22#	a-Insulated core wire	Grey	Black dot
	b-Insulated core wire	Grey	Red 2 dot		b-Insulated core wire	Grey	Red dot
8#	a-Insulated core wire	White	Black 2 dot	23#	a-Insulated core wire	White	Black dot
	b-Insulated core wire	White	Red 2 dot		b-Insulated core wire	White	Red dot
9#	a-Insulated core wire	Yellow	Blak2 dot	24#	a-Insulated core wire	Yellow	Black dot
	b-Insulated core wire	Yellow	Red 2 dot		b-Insulated core wire	Yellow	Red dot
10#	a-Insulated core wire	Light blue	Blak2 dot	25#	a-Insulated core wire	Light blue	Black dot
	b-Insulated core wire	Light blue	Red 2 dot		b-Insulated core wire	Light blue	Red dot
11#	a-Insulated core wire	Orange	Black 3 dot	26#	a-Insulated core wire	Orange	Black line
	b-Insulated core wire	orange	Red 3 dot		b-Insulated core wire	orange	Red line
12#	a-Insulated core wire	Grey	Black 3 dot	27#	a-Insulated core wire	Grey	Black line
	b-Insulated core wire	Grey	Red 3 dot		b-Insulated core wire	Grey	Red line
13#	a-Insulated core wire	White	Black 3 dot	28#	a-Insulated core wire	White	Black line
	b-Insulated core wire	White	Red 3 dot		b-Insulated core wire	White	Red line
14#	a-Insulated core wire	Yellow	Black 3 dot	29#	a-Insulated core wire	Yellow	Black line
	b-Insulated core wire	Yellow	Red dot		b-Insulated core wire	Yellow	Red line
15#	a-Insulated core wire	Light blue	Black 3 dot	30#	a-Insulated core wire	Light blue	Black line
	b-Insulated core wire	Light blue	Red 3 dot		b-Insulated core wire	Light blue	Red line

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



Wanma CO.
002276



FLEX-CS03S.PUR

Industrial Equip Drag Chain Cable

30V 80°C Flexible Drag Chain Signal Cable [Shield]

5 million bending life, suitable for signal transmission in drag chain laying application
FRPVC insulation /PUR jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-CS03S.2P.015.PUR	2x2x0.15mm ² (26AWG)	19/0.10	0.9	5.2	140
FLEX-CS03S.3P.015.PUR	3x2x0.15mm ² (26AWG)	19/0.10	0.9	5.8	140
FLEX-CS03S.4P.015.PUR	4x2x0.15mm ² (26AWG)	19/0.10	0.9	6.2	140
FLEX-CS03S.5P.015.PUR	5x2x0.15mm ² (26AWG)	19/0.10	0.9	6.6	140
FLEX-CS03S.6P.015.PUR	6x2x0.15mm ² (26AWG)	19/0.10	0.9	7.0	140
FLEX-CS03S.7P.015.PUR	7x2x0.15mm ² (26AWG)	19/0.10	0.9	7.5	140
FLEX-CS03S.10P.015.PUR	10x2x0.15mm ² (26AWG)	19/0.10	0.9	8.0	140
FLEX-CS03S.12P.015.PUR	12x2x0.15mm ² (26AWG)	19/0.10	0.9	8.5	140
FLEX-CS03S.2P.02.PUR	2x2x0.2mm ² (25AWG)	26/0.10	1.0	5.7	111
FLEX-CS03S.3P.02.PUR	3x2x0.2mm ² (25AWG)	26/0.10	1.0	6.2	111
FLEX-CS03S.4P.02.PUR	4x2x0.2mm ² (25AWG)	26/0.10	1.0	6.7	111
FLEX-CS03S.5P.02.PUR	5x2x0.2mm ² (25AWG)	26/0.10	1.0	7.2	111
FLEX-CS03S.6P.02.PUR	6x2x0.2mm ² (25AWG)	26/0.10	1.0	7.4	111
FLEX-CS03S.7P.02.PUR	7x2x0.2mm ² (25AWG)	26/0.10	1.0	7.9	111
FLEX-CS03S.10P.02.PUR	10x2x0.2mm ² (25AWG)	26/0.10	1.0	8.5	111
FLEX-CS03S.12P.02.PUR	12x2x0.2mm ² (25AWG)	26/0.10	1.0	9.2	111
FLEX-CS03S.2P.025.PUR	2x2x0.25mm ² (24AWG)	32/0.10	1.05	5.9	87.6
FLEX-CS03S.3P.025.PUR	3x2x0.25mm ² (24AWG)	32/0.10	1.05	6.5	87.6
FLEX-CS03S.4P.025.PUR	4x2x0.25mm ² (24AWG)	32/0.10	1.05	7.0	87.6
FLEX-CS03S.5P.025.PUR	5x2x0.25mm ² (24AWG)	32/0.10	1.05	7.6	87.6
FLEX-CS03S.6P.025.PUR	6x2x0.25mm ² (24AWG)	32/0.10	1.05	7.9	87.6
FLEX-CS03S.7P.025.PUR	7x2x0.25mm ² (24AWG)	32/0.10	1.05	8.3	87.6
FLEX-CS03S.10P.025.PUR	10x2x0.25mm ² (24AWG)	32/0.10	1.05	9.0	87.6
FLEX-CS03S.12P.025.PUR	12x2x0.25mm ² (24AWG)	32/0.10	1.05	9.6	87.6
FLEX-CS03S.2P.03.PUR	2x2x0.3mm ² (23AWG)	37/0.10	1.20	6.4	69.2
FLEX-CS03S.3P.03.PUR	3x2x0.3mm ² (23AWG)	37/0.10	1.20	7.1	69.2
FLEX-CS03S.4P.03.PUR	4x2x0.3mm ² (23AWG)	37/0.10	1.20	7.8	69.2
FLEX-CS03S.5P.03.PUR	5x2x0.3mm ² (23AWG)	37/0.10	1.20	8.0	69.2
FLEX-CS03S.6P.03.PUR	6x2x0.3mm ² (23AWG)	37/0.10	1.20	8.6	69.2
FLEX-CS03S.7P.03.PUR	7x2x0.3mm ² (23AWG)	37/0.10	1.20	9.0	69.2
FLEX-CS03S.10P.03.PUR	10x2x0.3mm ² (23AWG)	37/0.10	1.20	9.9	69.2

FLEX-CS03S.12P.03.PUR	12x2x0.3mm ² (23AWG)	37/0.10	1.20	10.8	69.2
FLEX-CS03S.2P.034.PUR	2x2x0.34mm ² (22AWG)	42/0.10	1.30	6.9	55.4
FLEX-CS03S.3P.034.PUR	3x2x0.34mm ² (22AWG)	42/0.10	1.30	7.6	55.4
FLEX-CS03S.4P.034.PUR	4x2x0.34mm ² (22AWG)	42/0.10	1.30	8.3	55.4
FLEX-CS03S.5P.034.PUR	5x2x0.34mm ² (22AWG)	42/0.10	1.30	8.8	55.4
FLEX-CS03S.6P.034.PUR	6x2x0.34mm ² (22AWG)	42/0.10	1.30	9.1	55.4
FLEX-CS03S.7P.034.PUR	7x2x0.34mm ² (22AWG)	42/0.10	1.30	9.6	55.4
FLEX-CS03S.10P.034.PUR	10x2x0.34mm ² (22AWG)	42/0.10	1.30	10.7	55.4
FLEX-CS03S.12P.034.PUR	12x2x0.34mm ² (22AWG)	42/0.10	1.30	11.5	55.4

FLEX-CS03S.2P.05.PUR	2x2x0.5mm ² (21AWG)	64/0.10	1.55	7.7	43.6
FLEX-CS03S.3P.05.PUR	3x2x0.5mm ² (21AWG)	64/0.10	1.55	8.7	43.6
FLEX-CS03S.4P.05.PUR	4x2x0.5mm ² (21AWG)	64/0.10	1.55	9.5	43.6
FLEX-CS03S.5P.05.PUR	5x2x0.5mm ² (21AWG)	64/0.10	1.55	10.0	43.6
FLEX-CS03S.6P.05.PUR	6x2x0.5mm ² (21AWG)	64/0.10	1.55	10.4	43.6
FLEX-CS03S.7P.05.PUR	7x2x0.5mm ² (21AWG)	64/0.10	1.55	11.1	43.6
FLEX-CS03S.10P.05.PUR	10x2x0.5mm ² (21AWG)	64/0.10	1.55	12.6	43.6
FLEX-CS03S.12P.05.PUR	12x2x0.5mm ² (21AWG)	64/0.10	1.55	13.7	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange	Black 1 dot	11#	a-Insulated core wire	Orange	Black 3 dot
	b-Insulated core wire	orange	Red 1 dot		b-Insulated core wire	orange	Red 3 dot
2#	a-Insulated core wire	Grey	Black 1 dot	12#	a-Insulated core wire	Grey	Black 3 dot
	b-Insulated core wire	Grey	Red 1 dot		b-Insulated core wire	Grey	Red 3 dot

3#	a-Insulated core wire b-Insulated core wire	White White	Black 1 dot Red 1 dot	13#	a-Insulated core wire b-Insulated core wire	White White	Black 3 dot Red 3 dot
4#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 1 dot Red 1 dot	14#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 3 dot Red 3 dot
5#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 1 dot Red 1 dot	15#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 3 dot Red 3 dot
6#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 2 dot Red 2 dot	16#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 4 dot Red 4 dot
7#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 2 dot Red 2 dot	17#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 4 dot Red 4 dot
8#	a-Insulated core wire b-Insulated core wire	White White	Black 2 dot Red 2 dot	18#	a-Insulated core wire b-Insulated core wire	White White	Black 4 dot Red 4 dot
9#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 2 dot Red 2 dot	19#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 4 dot Red 4 dot
10#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 2 dot Red 2 dot	20#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 4 dot Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



FLEX-CS30S.PUR

Industrial Equip Drag Chain Cable



Wanma CO.
002276

300V 80°C Flexible Drag Chain Signal Cable [Shield]

5 million bending life, suitable for signal transmission in drag chain laying application
SRPVC insulation /PUR jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-CS03S.2P.015.PUR	2x2x0.15mm ² (26AWG)	19/0.10	1.0	5.7	140
FLEX-CS03S.3P.015.PUR	3x2x0.15mm ² (26AWG)	19/0.10	1.0	6.2	140
FLEX-CS03S.4P.015.PUR	4x2x0.15mm ² (26AWG)	19/0.10	1.0	6.7	140
FLEX-CS03S.5P.015.PUR	5x2x0.15mm ² (26AWG)	19/0.10	1.0	7.2	140
FLEX-CS03S.6P.015.PUR	6x2x0.15mm ² (26AWG)	19/0.10	1.0	7.4	140
FLEX-CS03S.7P.015.PUR	7x2x0.15mm ² (26AWG)	19/0.10	1.0	7.9	140
FLEX-CS03S.10P.015.PUR	10x2x0.15mm ² (26AWG)	19/0.10	1.0	8.5	140
FLEX-CS03S.12P.015.PUR	12x2x0.15mm ² (26AWG)	19/0.10	1.0	9.2	140
FLEX-CS03S.2P.02.PUR	2x2x0.2mm ² (25AWG)	26/0.10	1.10	5.9	111
FLEX-CS03S.3P.02.PUR	3x2x0.2mm ² (25AWG)	26/0.10	1.10	6.5	111
FLEX-CS03S.4P.02.PUR	4x2x0.2mm ² (25AWG)	26/0.10	1.10	7.0	111
FLEX-CS03S.5P.02.PUR	5x2x0.2mm ² (25AWG)	26/0.10	1.10	7.6	111
FLEX-CS03S.6P.02.PUR	6x2x0.2mm ² (25AWG)	26/0.10	1.10	7.9	111
FLEX-CS03S.7P.02.PUR	7x2x0.2mm ² (25AWG)	26/0.10	1.10	8.3	111
FLEX-CS03S.10P.02.PUR	10x2x0.2mm ² (25AWG)	26/0.10	1.10	9.0	111
FLEX-CS03S.12P.02.PUR	12x2x0.2mm ² (25AWG)	26/0.10	1.10	9.6	111
FLEX-CS03S.2P.025.PUR	2x2x0.25mm ² (24AWG)	32/0.10	1.15	6.2	87.6
FLEX-CS03S.3P.025.PUR	3x2x0.25mm ² (24AWG)	32/0.10	1.15	6.9	87.6
FLEX-CS03S.4P.025.PUR	4x2x0.25mm ² (24AWG)	32/0.10	1.15	7.5	87.6
FLEX-CS03S.5P.025.PUR	5x2x0.25mm ² (24AWG)	32/0.10	1.15	7.8	87.6
FLEX-CS03S.6P.025.PUR	6x2x0.25mm ² (24AWG)	32/0.10	1.15	8.2	87.6
FLEX-CS03S.7P.025.PUR	7x2x0.25mm ² (24AWG)	32/0.10	1.15	8.8	87.6
FLEX-CS03S.10P.025.PUR	10x2x0.25mm ² (24AWG)	32/0.10	1.15	9.7	87.6
FLEX-CS03S.12P.025.PUR	12x2x0.25mm ² (24AWG)	32/0.10	1.15	10.5	87.6
FLEX-CS03S.2P.03.PUR	2x2x0.3mm ² (23AWG)	37/0.10	1.20	6.4	69.2
FLEX-CS03S.3P.03.PUR	3x2x0.3mm ² (23AWG)	37/0.10	1.20	7.1	69.2
FLEX-CS03S.4P.03.PUR	4x2x0.3mm ² (23AWG)	37/0.10	1.20	7.8	69.2
FLEX-CS03S.5P.03.PUR	5x2x0.3mm ² (23AWG)	37/0.10	1.20	8.0	69.2
FLEX-CS03S.6P.03.PUR	6x2x0.3mm ² (23AWG)	37/0.10	1.20	8.6	69.2

FLEX-CS03S.7P.03.PUR	7x2x0.3mm ² (23AWG)	37/0.10	1.20	9.0	69.2
FLEX-CS03S.10P.03.PUR	10x2x0.3mm ² (23AWG)	37/0.10	1.20	9.9	69.2
FLEX-CS03S.12P.03.PUR	12x2x0.3mm ² (23AWG)	37/0.10	1.20	10.8	69.2
FLEX-CS03S.2P.034.PUR	2x2x0.34mm ² (22AWG)	42/0.10	1.30	6.9	55.4
FLEX-CS03S.3P.034.PUR	3x2x0.34mm ² (22AWG)	42/0.10	1.30	7.6	55.4
FLEX-CS03S.4P.034.PUR	4x2x0.34mm ² (22AWG)	42/0.10	1.30	8.3	55.4
FLEX-CS03S.5P.034.PUR	5x2x0.34mm ² (22AWG)	42/0.10	1.30	8.8	55.4
FLEX-CS03S.6P.034.PUR	6x2x0.34mm ² (22AWG)	42/0.10	1.30	9.1	55.4
FLEX-CS03S.7P.034.PUR	7x2x0.34mm ² (22AWG)	42/0.10	1.30	9.6	55.4
FLEX-CS03S.10P.034.PUR	10x2x0.34mm ² (22AWG)	42/0.10	1.30	10.7	55.4
FLEX-CS03S.12P.034.PUR	12x2x0.34mm ² (22AWG)	42/0.10	1.30	11.5	55.4
FLEX-CS03S.2P.05.PUR	2x2x0.5mm ² (21AWG)	64/0.10	1.65	7.9	43.6
FLEX-CS03S.3P.05.PUR	3x2x0.5mm ² (21AWG)	64/0.10	1.65	9.1	43.6
FLEX-CS03S.4P.05.PUR	4x2x0.5mm ² (21AWG)	64/0.10	1.65	10.0	43.6
FLEX-CS03S.5P.05.PUR	5x2x0.5mm ² (21AWG)	64/0.10	1.65	10.7	43.6
FLEX-CS03S.6P.05.PUR	6x2x0.5mm ² (21AWG)	64/0.10	1.65	10.9	43.6
FLEX-CS03S.7P.05.PUR	7x2x0.5mm ² (21AWG)	64/0.10	1.65	11.8	43.6
FLEX-CS03S.10P.05.PUR	10x2x0.5mm ² (21AWG)	64/0.10	1.65	13.2	43.6
FLEX-CS03S.12P.05.PUR	12x2x0.5mm ² (21AWG)	64/0.10	1.65	14.2	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange	Black 1 dot	11#	a-Insulated core wire	Orange	Black 3 dot
	b-Insulated core wire	orange	Red 1 dot		b-Insulated core wire	orange	Red 3 dot

2#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 1 dot Red 1 dot	12#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 3 dot Red 3 dot
3#	a-Insulated core wire b-Insulated core wire	White White	Black 1 dot Red 1 dot	13#	a-Insulated core wire b-Insulated core wire	White White	Black 3 dot Red 3 dot
4#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 1 dot Red 1 dot	14#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 3 dot Red 3 dot
5#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 1 dot Red 1 dot	15#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 3 dot Red 3 dot
6#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 2 dot Red 2 dot	16#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 4 dot Red 4 dot
7#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 2 dot Red 2 dot	17#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 4 dot Red 4 dot
8#	a-Insulated core wire b-Insulated core wire	White White	Black 2 dot Red 2 dot	18#	a-Insulated core wire b-Insulated core wire	White White	Black 4 dot Red 4 dot
9#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 2 dot Red 2 dot	19#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 4 dot Red 4 dot
10#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 2 dot Red 2 dot	20#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 4 dot Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



Wanma CO.
002276



FLEX-ES03S/UL20276

Industrial Equip Drag Chain Cable

30V 80°C Flexible Drag Chain Signal Cable

[Shield]

10 million bending life, suitable for signal transmission in drag chain laying application
FRPVC insulation /FRPVC jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-ES03S.4P.01	4x2x0.1mm²(28AWG)	20/0.08	0.80	5.6	223
FLEX-ES03S.2P.015	2x2x0.15mm ² (26AWG)	30/0.08	0.90	5.2	140
FLEX-ES03S.3P.015	3x2x0.15mm ² (26AWG)	30/0.08	0.90	5.8	140
FLEX-ES03S.4P.015	4x2x0.15mm ² (26AWG)	30/0.08	0.90	6.2	140
FLEX-ES03S.5P.015	5x2x0.15mm ² (26AWG)	30/0.08	0.90	6.6	140
FLEX-ES03S.6P.015	6x2x0.15mm ² (26AWG)	30/0.08	0.90	7.0	140
FLEX-ES03S.7P.015	7x2x0.15mm ² (26AWG)	30/0.08	0.90	7.5	140
FLEX-ES03S.10P.015	10x2x0.15mm ² (26AWG)	30/0.08	0.90	8.0	140
FLEX-ES03S.12P.015	12x2x0.15mm ² (26AWG)	30/0.08	0.90	8.5	140
FLEX-ES03S.2P.02	2x2x0.2mm ²	41/0.08	1.0	5.7	111
FLEX-ES03S.3P.02	3x2x0.2mm ²	41/0.08	1.0	6.2	111
FLEX-ES03S.4P.02	4x2x0.2mm ²	41/0.08	1.0	6.7	111
FLEX-ES03S.5P.02	5x2x0.2mm ²	41/0.08	1.0	7.2	111
FLEX-ES03S.6P.02	6x2x0.2mm ²	41/0.08	1.0	7.4	111
FLEX-ES03S.7P.02	7x2x0.2mm ²	41/0.08	1.0	7.9	111
FLEX-ES03S.10P.02	10x2x0.2mm ²	41/0.08	1.0	8.5	111
FLEX-ES03S.12P.02	12x2x0.2mm ²	41/0.08	1.0	9.2	111
FLEX-ES03S.16P.02	16x2x0.2mm²	41/0.08	1.0	10.6	111
FLEX-ES03S.2P.025	2x2x0.25mm ² (24AWG)	50/0.08	1.05	5.9	87.6
FLEX-ES03S.3P.025	3x2x0.25mm ² (24AWG)	50/0.08	1.05	6.5	87.6
FLEX-ES03S.4P.025	4x2x0.25mm ² (24AWG)	50/0.08	1.05	7.0	87.6
FLEX-ES03S.5P.025	5x2x0.25mm ² (24AWG)	50/0.08	1.05	7.6	87.6
FLEX-ES03S.6P.025	6x2x0.25mm ² (24AWG)	50/0.08	1.05	7.9	87.6
FLEX-ES03S.7P.025	7x2x0.25mm ² (24AWG)	50/0.08	1.05	8.3	87.6
FLEX-ES03S.10P.025	10x2x0.25mm ² (24AWG)	50/0.08	1.05	9.0	87.6
FLEX-ES03S.12P.025	12x2x0.25mm ² (24AWG)	50/0.08	1.05	9.6	87.6
FLEX-ES03S.20P.025	20x2x0.25mm²(24AWG)	50/0.08	1.05	12.1	87.6
FLEX-ES03S.2P.03	2x2x0.3mm ² (23AWG)	60/0.08	1.20	6.4	69.2
FLEX-ES03S.3P.03	3x2x0.3mm ² (23AWG)	60/0.08	1.20	7.1	69.2
FLEX-ES03S.4P.03	4x2x0.3mm ² (23AWG)	60/0.08	1.20	7.8	69.2
FLEX-ES03S.5P.03	5x2x0.3mm ² (23AWG)	60/0.08	1.20	8.0	69.2
FLEX-ES03S.6P.03	6x2x0.3mm ² (23AWG)	60/0.08	1.20	8.6	69.2
FLEX-ES03S.7P.03	7x2x0.3mm ² (23AWG)	60/0.08	1.20	9.0	69.2

FLEX-ES03S.10P.03	10x2x0.3mm ² (23AWG)	60/0.08	1.20	9.9	69.2
FLEX-ES03S.12P.03	12x2x0.3mm ² (23AWG)	60/0.08	1.20	10.8	69.2
FLEX-ES03S.2P.034	2x2x0.34mm ² (22AWG)	70/0.08	1.30	6.9	55.4
FLEX-ES03S.3P.034	3x2x0.34mm ² (22AWG)	70/0.08	1.30	7.6	55.4
FLEX-ES03S.4P.034	4x2x0.34mm ² (22AWG)	70/0.08	1.30	8.3	55.4
FLEX-ES03S.5P.034	5x2x0.34mm ² (22AWG)	70/0.08	1.30	8.8	55.4
FLEX-ES03S.6P.034	6x2x0.34mm ² (22AWG)	70/0.08	1.30	9.1	55.4
FLEX-ES03S.7P.034	7x2x0.34mm ² (22AWG)	70/0.08	1.30	9.6	55.4
FLEX-ES03S.10P.034	10x2x0.34mm ² (22AWG)	70/0.08	1.30	10.7	55.4
FLEX-ES03S.12P.034	12x2x0.34mm ² (22AWG)	70/0.08	1.30	11.5	55.4
FLEX-ES03S.2P.05	2x2x0.5mm ² (20AWG)	105/0.08	1.65	8.1	43.6
FLEX-ES03S.3P.05	3x2x0.5mm ² (20AWG)	105/0.08	1.65	9.3	43.6
FLEX-ES03S.4P.05	4x2x0.5mm ² (20AWG)	105/0.08	1.65	10.0	43.6
FLEX-ES03S.5P.05	5x2x0.5mm ² (20AWG)	105/0.08	1.65	10.7	43.6
FLEX-ES03S.6P.05	6x2x0.5mm ² (20AWG)	105/0.08	1.65	11.0	43.6
FLEX-ES03S.7P.05	7x2x0.5mm ² (20AWG)	105/0.08	1.65	12.0	43.6
FLEX-ES03S.10P.05	10x2x0.5mm ² (20AWG)	105/0.08	1.65	13.3	43.6
FLEX-ES03S.12P.05	12x2x0.5mm ² (20AWG)	105/0.08	1.65	14.3	43.6
FLEX-ES03S.20P.05	20x2x0.5mm²(20AWG)	105/0.08	1.65	18.3	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange	Black 1 dot	11#	a-Insulated core wire	Orange	Black 3 dot
	b-Insulated core wire	orange	Red 1 dot		b-Insulated core wire	orange	Red 3 dot

2#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 1 dot Red 1 dot	12#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 3 dot Red 3 dot
3#	a-Insulated core wire b-Insulated core wire	White White	Black 1 dot Red 1 dot	13#	a-Insulated core wire b-Insulated core wire	White White	Black 3 dot Red 3 dot
4#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 1 dot Red 1 dot	14#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 3 dot Red 3 dot
5#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 1 dot Red 1 dot	15#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 3 dot Red 3 dot
6#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 2 dot Red 2 dot	16#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 4 dot Red 4 dot
7#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 2 dot Red 2 dot	17#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 4 dot Red 4 dot
8#	a-Insulated core wire b-Insulated core wire	White White	Black 2 dot Red 2 dot	18#	a-Insulated core wire b-Insulated core wire	White White	Black 4 dot Red 4 dot
9#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 2 dot Red 2 dot	19#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 4 dot Red 4 dot
10#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 2 dot Red 2 dot	20#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 4 dot Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



FLEX-ES30S

Industrial Equip Drag Chain Cable



Wanma CO.
002276

300V 80°C Flexible Drag Chain Signal Cable

[Shield]

10 million bending life, suitable for signal transmission in drag chain laying application
SRPVC insulation /FRPVC jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-ES30S.2P.015	2x2x0.15mm ² (26AWG)	30/0.08	1.0	5.7	140
FLEX-ES30S.3P.015	3x2x0.15mm ² (26AWG)	30/0.08	1.0	6.2	140
FLEX-ES30S.4P.015	4x2x0.15mm ² (26AWG)	30/0.08	1.0	6.7	140
FLEX-ES30S.5P.015	5x2x0.15mm ² (26AWG)	30/0.08	1.0	7.2	140
FLEX-ES30S.6P.015	6x2x0.15mm ² (26AWG)	30/0.08	1.0	7.4	140
FLEX-ES30S.7P.015	7x2x0.15mm ² (26AWG)	30/0.08	1.0	7.9	140
FLEX-ES30S.10P.015	10x2x0.15mm ² (26AWG)	30/0.08	1.0	8.5	140
FLEX-ES30S.12P.015	12x2x0.15mm ² (26AWG)	30/0.08	1.0	9.2	140
FLEX-ES30S.2P.02	2x2x0.2mm ² (25AWG)	41/0.08	1.10	5.9	111
FLEX-ES30S.3P.02	3x2x0.2mm ² (25AWG)	41/0.08	1.10	6.5	111
FLEX-ES30S.4P.02	4x2x0.2mm ² (25AWG)	41/0.08	1.10	7.0	111
FLEX-ES30S.5P.02	5x2x0.2mm ² (25AWG)	41/0.08	1.10	7.6	111
FLEX-ES30S.6P.02	6x2x0.2mm ² (25AWG)	41/0.08	1.10	7.9	111
FLEX-ES30S.7P.02	7x2x0.2mm ² (25AWG)	41/0.08	1.10	8.3	111
FLEX-ES30S.10P.02	10x2x0.2mm ² (25AWG)	41/0.08	1.10	9.0	111
FLEX-ES30S.12P.02	12x2x0.2mm ² (25AWG)	41/0.08	1.10	9.6	111
FLEX-ES30S.2P.025	2x2x0.25mm ² (24AWG)	50/0.08	1.15	6.2	87.6
FLEX-ES30S.3P.025	3x2x0.25mm ² (24AWG)	50/0.08	1.15	6.9	87.6
FLEX-ES30S.4P.025	4x2x0.25mm ² (24AWG)	50/0.08	1.15	7.5	87.6
FLEX-ES30S.5P.025	5x2x0.25mm ² (24AWG)	50/0.08	1.15	7.8	87.6
FLEX-ES30S.6P.025	6x2x0.25mm ² (24AWG)	50/0.08	1.15	8.2	87.6
FLEX-ES30S.7P.025	7x2x0.25mm ² (24AWG)	50/0.08	1.15	8.8	87.6
FLEX-ES30S.10P.025	10x2x0.25mm ² (24AWG)	50/0.08	1.15	9.7	87.6
FLEX-ES30S.12P.025	12x2x0.25mm ² (24AWG)	50/0.08	1.15	10.5	87.6
FLEX-ES30S.2P.03	2x2x0.3mm ² (23AWG)	60/0.08	1.25	6.5	69.2
FLEX-ES30S.3P.03	3x2x0.3mm ² (23AWG)	60/0.08	1.25	7.3	69.2
FLEX-ES30S.4P.03	4x2x0.3mm ² (23AWG)	60/0.08	1.25	7.9	69.2
FLEX-ES30S.5P.03	5x2x0.3mm ² (23AWG)	60/0.08	1.25	8.1	69.2
FLEX-ES30S.6P.03	6x2x0.3mm ² (23AWG)	60/0.08	1.25	8.8	69.2
FLEX-ES30S.7P.03	7x2x0.3mm ² (23AWG)	60/0.08	1.25	9.3	69.2
FLEX-ES30S.10P.03	10x2x0.3mm ² (23AWG)	60/0.08	1.25	10.3	69.2
FLEX-ES30S.12P.03	12x2x0.3mm ² (23AWG)	60/0.08	1.25	11.2	69.2

FLEX-ES30S.2P.05	2x2x0.5mm ² (20AWG)	105/0.08	1.7	8.2	43.6
FLEX-ES30S.3P.05	3x2x0.5mm ² (20AWG)	105/0.08	1.7	9.5	43.6
FLEX-ES30S.4P.05	4x2x0.5mm ² (20AWG)	105/0.08	1.7	10.2	43.6
FLEX-ES30S.5P.05	5x2x0.5mm ² (20AWG)	105/0.08	1.7	11.1	43.6
FLEX-ES30S.6P.05	6x2x0.5mm ² (20AWG)	105/0.08	1.7	11.4	43.6
FLEX-ES30S.7P.05	7x2x0.5mm ² (20AWG)	105/0.08	1.7	12.3	43.6
FLEX-ES30S.10P.05	10x2x0.5mm ² (20AWG)	105/0.08	1.7	13.5	43.6
FLEX-ES30S.12P.05	12x2x0.5mm ² (20AWG)	105/0.08	1.7	14.7	43.6
FLEX-ES30S.2P.034	2x2x0.34mm ² (22AWG)	70/0.08	1.35	6.9	55.4
FLEX-ES30S.3P.034	3x2x0.34mm ² (22AWG)	70/0.08	1.35	7.6	55.4
FLEX-ES30S.4P.034	4x2x0.34mm ² (22AWG)	70/0.08	1.35	8.3	55.4
FLEX-ES30S.5P.034	5x2x0.34mm ² (22AWG)	70/0.08	1.35	8.8	55.4
FLEX-ES30S.6P.034	6x2x0.34mm ² (22AWG)	70/0.08	1.35	9.1	55.4
FLEX-ES30S.7P.034	7x2x0.34mm ² (22AWG)	70/0.08	1.35	9.6	55.4
FLEX-ES30S.10P.034	10x2x0.34mm ² (22AWG)	70/0.08	1.35	10.7	55.4
FLEX-ES30S.12P.034	12x2x0.34mm ² (22AWG)	70/0.08	1.35	11.5	55.4

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-绝缘芯线	橙色	黑 1 点	11#	a-绝缘芯线	橙色	黑 3 点
	b-绝缘芯线	橙色	红 1 点		b-绝缘芯线	橙色	红 3 点
2#	a-绝缘芯线	灰色	黑 1 点	12#	a-绝缘芯线	灰色	黑 3 点
	b-绝缘芯线	灰色	红 1 点		b-绝缘芯线	灰色	红 3 点

3#	a-绝缘芯线 b-绝缘芯线	白色 白色	黑 1 点 红 1 点	13#	a-绝缘芯线 b-绝缘芯线	白色 白色	黑 3 点 红 3 点
4#	a-绝缘芯线 b-绝缘芯线	黄色 黄色	黑 1 点 红 1 点	14#	a-绝缘芯线 b-绝缘芯线	黄色 黄色	黑 3 点 红 3 点
5#	a-绝缘芯线 b-绝缘芯线	浅蓝色 浅蓝色	黑 1 点 红 1 点	15#	a-绝缘芯线 b-绝缘芯线	浅蓝色 浅蓝色	黑 3 点 红 3 点
6#	a-绝缘芯线 b-绝缘芯线	橙色 橙色	黑 2 点 红 2 点	16#	a-绝缘芯线 b-绝缘芯线	橙色 橙色	黑 4 点 红 4 点
7#	a-绝缘芯线 b-绝缘芯线	灰色 灰色	黑 2 点 红 2 点	17#	a-绝缘芯线 b-绝缘芯线	灰色 灰色	黑 4 点 红 4 点
8#	a-绝缘芯线 b-绝缘芯线	白色 白色	黑 2 点 红 2 点	18#	a-绝缘芯线 b-绝缘芯线	白色 白色	黑 4 点 红 4 点
9#	a-绝缘芯线 b-绝缘芯线	黄色 黄色	黑 2 点 红 2 点	19#	a-绝缘芯线 b-绝缘芯线	黄色 黄色	黑 4 点 红 4 点
10#	a-绝缘芯线 b-绝缘芯线	浅蓝色 浅蓝色	黑 2 点 红 2 点	20#	a-绝缘芯线 b-绝缘芯线	浅蓝色 浅蓝色	黑 4 点 红 4 点

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



Wanma CO.
002276



FLEX-ES03S.PUR

Industrial Equip Drag Chain Cable

30V 80°C Flexible Drag Chain Signal Cable [Shield]

10 million bending life, suitable for signal transmission in drag chain laying application
FRPVC insulation /PUR jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-ES03S.2P.015.PUR	2x2x0.15mm ²	30/0.08	0.90	5.7	150
FLEX-ES03S.3P.015.PUR	3x2x0.15mm ²	30/0.08	0.90	5.8	150
FLEX-ES03S.4P.015.PUR	4x2x0.15mm ²	30/0.08	0.90	6.2	150
FLEX-ES03S.5P.015.PUR	5x2x0.15mm ²	30/0.08	0.90	6.6	150
FLEX-ES03S.6P.015.PUR	6x2x0.15mm ²	30/0.08	0.90	7.0	150
FLEX-ES03S.7P.015.PUR	7x2x0.15mm ²	30/0.08	0.90	7.5	150
FLEX-ES03S.10P.015.PUR	10x2x0.15mm ²	30/0.08	0.90	8.0	150
FLEX-ES03S.12P.015.PUR	12x2x0.15mm ²	30/0.08	0.90	8.5	150
FLEX-ES03S.2P.02.PUR	2x2x0.2mm ²	41/0.08	1.0	5.7	111
FLEX-ES03S.3P.02.PUR	3x2x0.2mm ²	41/0.08	1.0	6.2	111
FLEX-ES03S.4P.02.PUR	4x2x0.2mm ²	41/0.08	1.0	6.7	111
FLEX-ES03S.5P.02.PUR	5x2x0.2mm ²	41/0.08	1.0	7.2	111
FLEX-ES03S.6P.02.PUR	6x2x0.2mm ²	41/0.08	1.0	7.4	111
FLEX-ES03S.7P.02.PUR	7x2x0.2mm ²	41/0.08	1.0	7.9	111
FLEX-ES03S.10P.02.PUR	10x2x0.2mm ²	41/0.08	1.0	8.5	111
FLEX-ES03S.12P.02.PUR	12x2x0.2mm ²	41/0.08	1.0	9.2	111
FLEX-ES03S.2P.025.PUR	2x2x0.25mm ²	50/0.08	1.05	5.9	87.6
FLEX-ES03S.3P.025.PUR	3x2x0.25mm ²	50/0.08	1.05	6.5	87.6
FLEX-ES03S.4P.025.PUR	4x2x0.25mm ²	50/0.08	1.05	7.0	87.6
FLEX-ES03S.5P.025.PUR	5x2x0.25mm ²	50/0.08	1.05	7.6	87.6
FLEX-ES03S.6P.025.PUR	6x2x0.25mm ²	50/0.08	1.05	7.9	87.6
FLEX-ES03S.7P.025.PUR	7x2x0.25mm ²	50/0.08	1.05	8.3	87.6
FLEX-ES03S.10P.025.PUR	10x2x0.25mm ²	50/0.08	1.05	9.0	87.6
FLEX-ES03S.12P.025.PUR	12x2x0.25mm ²	50/0.08	1.05	9.6	87.6
FLEX-ES03S.2P.03.PUR	2x2x0.3mm ²	60/0.08	1.20	6.4	69.2
FLEX-ES03S.3P.03.PUR	3x2x0.3mm ²	60/0.08	1.20	7.1	69.2
FLEX-ES03S.4P.03.PUR	4x2x0.3mm ²	60/0.08	1.20	7.8	69.2
FLEX-ES03S.5P.03.PUR	5x2x0.3mm ²	60/0.08	1.20	8.0	69.2
FLEX-ES03S.6P.03.PUR	6x2x0.3mm ²	60/0.08	1.20	8.6	69.2
FLEX-ES03S.7P.03.PUR	7x2x0.3mm ²	60/0.08	1.20	9.0	69.2
FLEX-ES03S.10P.03.PUR	10x2x0.3mm ²	60/0.08	1.20	9.9	69.2
FLEX-ES03S.12P.03.PUR	12x2x0.3mm ²	60/0.08	1.20	10.8	69.2

FLEX-ES03S.2P.034.PUR	2x2x0.34mm ²	70/0.08	1.30	6.9	55.4
FLEX-ES03S.3P.034.PUR	3x2x0.34mm ²	70/0.08	1.30	7.6	55.4
FLEX-ES03S.4P.034.PUR	4x2x0.34mm ²	70/0.08	1.30	8.3	55.4
FLEX-ES03S.5P.034.PUR	5x2x0.34mm ²	70/0.08	1.30	8.8	55.4
FLEX-ES03S.6P.034.PUR	6x2x0.34mm ²	70/0.08	1.30	9.1	55.4
FLEX-ES03S.7P.034.PUR	7x2x0.34mm ²	70/0.08	1.30	9.6	55.4
FLEX-ES03S.10P.034.PUR	10x2x0.34mm ²	70/0.08	1.30	10.7	55.4
FLEX-ES03S.12P.034.PUR	12x2x0.34mm ²	70/0.08	1.30	11.5	55.4
FLEX-ES03S.2P.05.PUR	2x2x0.5mm ²	105/0.08	1.65	8.1	43.6
FLEX-ES03S.3P.05.PUR	3x2x0.5mm ²	105/0.08	1.65	9.3	43.6
FLEX-ES03S.4P.05.PUR	4x2x0.5mm ²	105/0.08	1.65	10.0	43.6
FLEX-ES03S.5P.05.PUR	5x2x0.5mm ²	105/0.08	1.65	10.7	43.6
FLEX-ES03S.6P.05.PUR	6x2x0.5mm ²	105/0.08	1.65	11.0	43.6
FLEX-ES03S.7P.05.PUR	7x2x0.5mm ²	105/0.08	1.65	12.0	43.6
FLEX-ES03S.10P.05.PUR	10x2x0.5mm ²	105/0.08	1.65	13.3	43.6
FLEX-ES03S.12P.05.PUR	12x2x0.5mm ²	105/0.08	1.65	14.3	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .



Wanma CO.
002276



FLEX-ES30S.PUR

Industrial Equip Drag Chain Cable

300V 80°C Flexible Drag Chain Signal Cable [Shield]

10 million bending life, suitable for signal transmission in drag chain laying application
SRPVC insulation /PUR jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-ES03S.2P.015.PUR	2x2x0.15mm ² (26AWG)	30/0.08	1.0	5.7	140
FLEX-ES03S.3P.015.PUR	3x2x0.15mm ² (26AWG)	30/0.08	1.0	6.2	140
FLEX-ES03S.4P.015.PUR	4x2x0.15mm ² (26AWG)	30/0.08	1.0	6.7	140
FLEX-ES03S.5P.015.PUR	5x2x0.15mm ² (26AWG)	30/0.08	1.0	7.2	140
FLEX-ES03S.6P.015.PUR	6x2x0.15mm ² (26AWG)	30/0.08	1.0	7.4	140
FLEX-ES03S.7P.015.PUR	7x2x0.15mm ² (26AWG)	30/0.08	1.0	7.9	140
FLEX-ES03S.10P.015.PUR	10x2x0.15mm ² (26AWG)	30/0.08	1.0	8.5	140
FLEX-ES03S.12P.015.PUR	12x2x0.15mm ² (26AWG)	30/0.08	1.0	9.2	140
FLEX-ES03S.2P.02.PUR	2x2x0.2mm ² (25AWG)	41/0.08	1.10	5.9	111
FLEX-ES03S.3P.02.PUR	3x2x0.2mm ² (25AWG)	41/0.08	1.10	6.5	111
FLEX-ES03S.4P.02.PUR	4x2x0.2mm ² (25AWG)	41/0.08	1.10	7.0	111
FLEX-ES03S.5P.02.PUR	5x2x0.2mm ² (25AWG)	41/0.08	1.10	7.6	111
FLEX-ES03S.6P.02.PUR	6x2x0.2mm ² (25AWG)	41/0.08	1.10	7.9	111
FLEX-ES03S.7P.02.PUR	7x2x0.2mm ² (25AWG)	41/0.08	1.10	8.3	111
FLEX-ES03S.10P.02.PUR	10x2x0.2mm ² (25AWG)	41/0.08	1.10	9.0	111
FLEX-ES03S.12P.02.PUR	12x2x0.2mm ² (25AWG)	41/0.08	1.10	9.6	111
FLEX-ES03S.2P.025.PUR	2x2x0.25mm ² (24AWG)	50/0.08	1.15	6.2	87.6
FLEX-ES03S.3P.025.PUR	3x2x0.25mm ² (24AWG)	50/0.08	1.15	6.9	87.6
FLEX-ES03S.4P.025.PUR	4x2x0.25mm ² (24AWG)	50/0.08	1.15	7.5	87.6
FLEX-ES03S.5P.025.PUR	5x2x0.25mm ² (24AWG)	50/0.08	1.15	7.8	87.6
FLEX-ES03S.6P.025.PUR	6x2x0.25mm ² (24AWG)	50/0.08	1.15	8.2	87.6
FLEX-ES03S.7P.025.PUR	7x2x0.25mm ² (24AWG)	50/0.08	1.15	8.8	87.6
FLEX-ES03S.10P.025.PUR	10x2x0.25mm ² (24AWG)	50/0.08	1.15	9.7	87.6
FLEX-ES03S.12P.025.PUR	12x2x0.25mm ² (24AWG)	50/0.08	1.15	10.5	87.6
FLEX-ES03S.2P.03.PUR	2x2x0.3mm ² (23AWG)	60/0.08	1.25	6.5	69.2
FLEX-ES03S.3P.03.PUR	3x2x0.3mm ² (23AWG)	60/0.08	1.25	7.3	69.2
FLEX-ES03S.4P.03.PUR	4x2x0.3mm ² (23AWG)	60/0.08	1.25	7.9	69.2
FLEX-ES03S.5P.03.PUR	5x2x0.3mm ² (23AWG)	60/0.08	1.25	8.1	69.2
FLEX-ES03S.6P.03.PUR	6x2x0.3mm ² (23AWG)	60/0.08	1.25	8.8	69.2
FLEX-ES03S.7P.03.PUR	7x2x0.3mm ² (23AWG)	60/0.08	1.25	9.3	69.2
FLEX-ES03S.10P.03.PUR	10x2x0.3mm ² (23AWG)	60/0.08	1.25	10.3	69.2
FLEX-ES03S.12P.03.PUR	12x2x0.3mm ² (23AWG)	60/0.08	1.25	11.2	69.2

FLEX-ES03S.2P.034.PUR	2x2x0.34mm ² (22AWG)	70/0.08	1.35	6.9	55.4
FLEX-ES03S.3P.034.PUR	3x2x0.34mm ² (22AWG)	70/0.08	1.35	7.6	55.4
FLEX-ES03S.4P.034.PUR	4x2x0.34mm ² (22AWG)	70/0.08	1.35	8.3	55.4
FLEX-ES03S.5P.034.PUR	5x2x0.34mm ² (22AWG)	70/0.08	1.35	8.8	55.4
FLEX-ES03S.6P.034.PUR	6x2x0.34mm ² (22AWG)	70/0.08	1.35	9.1	55.4
FLEX-ES03S.7P.034.PUR	7x2x0.34mm ² (22AWG)	70/0.08	1.35	9.6	55.4
FLEX-ES03S.10P.034.PUR	10x2x0.34mm ² (22AWG)	70/0.08	1.35	10.7	55.4
FLEX-ES03S.12P.034.PUR	12x2x0.34mm ² (22AWG)	70/0.08	1.35	11.5	55.4
FLEX-ES03S.2P.05.PUR	2x2x0.5mm ² (20AWG)	105/0.08	1.7	8.2	43.6
FLEX-ES03S.3P.05.PUR	3x2x0.5mm ² (20AWG)	105/0.08	1.7	9.5	43.6
FLEX-ES03S.4P.05.PUR	4x2x0.5mm ² (20AWG)	105/0.08	1.7	10.2	43.6
FLEX-ES03S.5P.05.PUR	5x2x0.5mm ² (20AWG)	105/0.08	1.7	11.1	43.6
FLEX-ES03S.6P.05.PUR	6x2x0.5mm ² (20AWG)	105/0.08	1.7	11.4	43.6
FLEX-ES03S.7P.05.PUR	7x2x0.5mm ² (20AWG)	105/0.08	1.7	12.3	43.6
FLEX-ES03S.10P.05.PUR	10x2x0.5mm ² (20AWG)	105/0.08	1.7	13.5	43.6
FLEX-ES03S.12P.05.PUR	12x2x0.5mm ² (20AWG)	105/0.08	1.7	14.7	43.6

Note: 1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange orange	Black 1 dot	11#	a-Insulated core wire	Orange orange	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot
2#	a-Insulated core wire	Grey Grey	Black 1 dot	12#	a-Insulated core wire	Grey Grey	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot
3#	a-Insulated core wire	White White	Black 1 dot	13#	a-Insulated core wire	White White	Black 3 dot
	b-Insulated core wire		Red 1 dot		b-Insulated core wire		Red 3 dot

4#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 1 dot Red 1 dot	14#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 3 dot Red 3 dot
5#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 1 dot Red 1 dot	15#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 3 dot Red 3 dot
6#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 2 dot Red 2 dot	16#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 4 dot Red 4 dot
7#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 2 dot Red 2 dot	17#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 4 dot Red 4 dot
8#	a-Insulated core wire b-Insulated core wire	White White	Black 2 dot Red 2 dot	18#	a-Insulated core wire b-Insulated core wire	White White	Black 4 dot Red 4 dot
9#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 2 dot Red 2 dot	19#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 4 dot Red 4 dot
10#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 2 dot Red 2 dot	20#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 4 dot Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



FLEX-HS03S

Industrial Equip Drag Chain Cable



Wanma CO.
002276

30V 80°C Flexible Drag Chain Signal Cable

[Shield]

20 million bending life, suitable for signal transmission in drag chain laying application
Elastomer insulation /FRPVC jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-HS03S.2P.015	2x2x0.15mm ² (26AWG)	30/0.08	0.90	5.7	140
FLEX-HS03S.3P.015	3x2x0.15mm ² (26AWG)	30/0.08	0.90	5.8	140
FLEX-HS03S.4P.015	4x2x0.15mm ² (26AWG)	30/0.08	0.90	6.2	140
FLEX-HS03S.5P.015	5x2x0.15mm ² (26AWG)	30/0.08	0.90	6.6	140
FLEX-HS03S.6P.015	6x2x0.15mm ² (26AWG)	30/0.08	0.90	7.0	140
FLEX-HS03S.7P.015	7x2x0.15mm ² (26AWG)	30/0.08	0.90	7.5	140
FLEX-HS03S.10P.015	10x2x0.15mm ² (26AWG)	30/0.08	0.90	8.0	140
FLEX-HS03S.12P.015	12x2x0.15mm ² (26AWG)	30/0.08	0.90	8.5	140
FLEX-HS03S.2P.02	2x2x0.2mm ² (25AWG)	41/0.08	1.0	5.7	111
FLEX-HS03S.3P.02	3x2x0.2mm ² (25AWG)	41/0.08	1.0	6.2	111
FLEX-HS03S.4P.02	4x2x0.2mm ² (25AWG)	41/0.08	1.0	6.7	111
FLEX-HS03S.5P.02	5x2x0.2mm ² (25AWG)	41/0.08	1.0	7.2	111
FLEX-HS03S.6P.02	6x2x0.2mm ² (25AWG)	41/0.08	1.0	7.4	111
FLEX-HS03S.7P.02	7x2x0.2mm ² (25AWG)	41/0.08	1.0	7.9	111
FLEX-HS03S.10P.02	10x2x0.2mm ² (25AWG)	41/0.08	1.0	8.5	111
FLEX-HS03S.12P.02	12x2x0.2mm ² (25AWG)	41/0.08	1.0	9.2	111
FLEX-HS03S.2P.025	2x2x0.25mm ² (24AWG)	50/0.08	1.05	5.9	87.6
FLEX-HS03S.3P.025	3x2x0.25mm ² (24AWG)	50/0.08	1.05	6.5	87.6
FLEX-HS03S.4P.025	4x2x0.25mm ² (24AWG)	50/0.08	1.05	7.0	87.6
FLEX-HS03S.5P.025	5x2x0.25mm ² (24AWG)	50/0.08	1.05	7.6	87.6
FLEX-HS03S.6P.025	6x2x0.25mm ² (24AWG)	50/0.08	1.05	7.9	87.6
FLEX-HS03S.7P.025	7x2x0.25mm ² (24AWG)	50/0.08	1.05	8.3	87.6
FLEX-HS03S.10P.025	10x2x0.25mm ² (24AWG)	50/0.08	1.05	9.0	87.6
FLEX-HS03S.12P.025	12x2x0.25mm ² (24AWG)	50/0.08	1.05	9.6	87.6
FLEX-HS03S.2P.03	2x2x0.3mm ² (23AWG)	60/0.08	1.20	6.4	69.2
FLEX-HS03S.3P.03	3x2x0.3mm ² (23AWG)	60/0.08	1.20	7.1	69.2
FLEX-HS03S.4P.03	4x2x0.3mm ² (23AWG)	60/0.08	1.20	7.8	69.2
FLEX-HS03S.5P.03	5x2x0.3mm ² (23AWG)	60/0.08	1.20	8.0	69.2
FLEX-HS03S.6P.03	6x2x0.3mm ² (23AWG)	60/0.08	1.20	8.6	69.2
FLEX-HS03S.7P.03	7x2x0.3mm ² (23AWG)	60/0.08	1.20	9.0	69.2

FLEX-HS03S.10P.03	10x2x0.3mm ² (23AWG)	60/0.08	1.20	9.9	69.2
FLEX-HS03S.12P.03	12x2x0.3mm ² (23AWG)	60/0.08	1.20	10.8	69.2
FLEX-HS03S.2P.034	2x2x0.34mm ² (22AWG)	70/0.08	1.30	6.9	55.4
FLEX-HS03S.3P.034	3x2x0.34mm ² (22AWG)	70/0.08	1.30	7.6	55.4
FLEX-HS03S.4P.034	4x2x0.34mm ² (22AWG)	70/0.08	1.30	8.3	55.4
FLEX-HS03S.5P.034	5x2x0.34mm ² (22AWG)	70/0.08	1.30	8.8	55.4
FLEX-HS03S.6P.034	6x2x0.34mm ² (22AWG)	70/0.08	1.30	9.1	55.4
FLEX-HS03S.7P.034	7x2x0.34mm ² (22AWG)	70/0.08	1.30	9.6	55.4
FLEX-HS03S.10P.034	10x2x0.34mm ² (22AWG)	70/0.08	1.30	10.7	55.4
FLEX-HS03S.12P.034	12x2x0.34mm ² (22AWG)	70/0.08	1.30	11.5	55.4
FLEX-HS03S.2P.05	2x2x0.5mm ² (20AWG)	105/0.08	1.55	7.7	43.6
FLEX-HS03S.3P.05	3x2x0.5mm ² (20AWG)	105/0.08	1.55	8.7	43.6
FLEX-HS03S.4P.05	4x2x0.5mm ² (20AWG)	105/0.08	1.55	9.5	43.6
FLEX-HS03S.5P.05	5x2x0.5mm ² (20AWG)	105/0.08	1.55	10.0	43.6
FLEX-HS03S.6P.05	6x2x0.5mm ² (20AWG)	105/0.08	1.55	10.4	43.6
FLEX-HS03S.7P.05	7x2x0.5mm ² (20AWG)	105/0.08	1.55	11.1	43.6
FLEX-HS03S.10P.05	10x2x0.5mm ² (20AWG)	105/0.08	1.55	12.6	43.6
FLEX-HS03S.12P.05	12x2x0.5mm ² (20AWG)	105/0.08	1.55	13.7	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange	Black 1 dot	11#	a-Insulated core wire	Orange	Black 3 dot
	b-Insulated core wire	orange	Red 1 dot		b-Insulated core wire	orange	Red 3 dot
2#	a-Insulated core wire	Grey	Black 1 dot	12#	a-Insulated core wire	Grey	Black 3 dot
	b-Insulated core wire	Grey	Red 1 dot		b-Insulated core wire	Grey	Red 3 dot

3#	a-Insulated core wire b-Insulated core wire	White White	Black 1 dot Red 1 dot	13#	a-Insulated core wire b-Insulated core wire	White White	Black 3 dot Red 3 dot
4#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 1 dot Red 1 dot	14#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 3 dot Red 3 dot
5#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 1 dot Red 1 dot	15#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 3 dot Red 3 dot
6#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 2 dot Red 2 dot	16#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 4 dot Red 4 dot
7#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 2 dot Red 2 dot	17#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 4 dot Red 4 dot
8#	a-Insulated core wire b-Insulated core wire	White White	Black 2 dot Red 2 dot	18#	a-Insulated core wire b-Insulated core wire	White White	Black 4 dot Red 4 dot
9#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 2 dot Red 2 dot	19#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 4 dot Red 4 dot
10#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 2 dot Red 2 dot	20#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 4 dot Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



Wanma CO.
002276



FLEX-HS30S

Industrial Equip Drag Chain Cable

300V 80°C Flexible Drag Chain Signal Cable

[Shield]

20 million bending life, suitable for signal transmission in drag chain laying application
Elastomer insulation /FRPVC jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-HS30S.2P.015	2x2x0.15mm ² (26AWG)	30/0.08	1.0	5.7	140
FLEX-HS30S.3P.015	3x2x0.15mm ² (26AWG)	30/0.08	1.0	6.2	140
FLEX-HS30S.4P.015	4x2x0.15mm ² (26AWG)	30/0.08	1.0	6.7	140
FLEX-HS30S.5P.015	5x2x0.15mm ² (26AWG)	30/0.08	1.0	7.2	140
FLEX-HS30S.6P.015	6x2x0.15mm ² (26AWG)	30/0.08	1.0	7.4	140
FLEX-HS30S.7P.015	7x2x0.15mm ² (26AWG)	30/0.08	1.0	7.9	140
FLEX-HS30S.10P.015	10x2x0.15mm ² (26AWG)	30/0.08	1.0	8.5	140
FLEX-HS30S.12P.015	12x2x0.15mm ² (26AWG)	30/0.08	1.0	9.2	140
FLEX-HS30S.2P.02	2x2x0.2mm ² (25AWG)	41/0.08	1.10	5.9	111
FLEX-HS30S.3P.02	3x2x0.2mm ² (25AWG)	41/0.08	1.10	6.5	111
FLEX-HS30S.4P.02	4x2x0.2mm ² (25AWG)	41/0.08	1.10	7.0	111
FLEX-HS30S.5P.02	5x2x0.2mm ² (25AWG)	41/0.08	1.10	7.6	111
FLEX-HS30S.6P.02	6x2x0.2mm ² (25AWG)	41/0.08	1.10	7.9	111
FLEX-HS30S.7P.02	7x2x0.2mm ² (25AWG)	41/0.08	1.10	8.3	111
FLEX-HS30S.10P.02	10x2x0.2mm ² (25AWG)	41/0.08	1.10	9.0	111
FLEX-HS30S.12P.02	12x2x0.2mm ² (25AWG)	41/0.08	1.10	9.6	111
FLEX-HS30S.2P.025	2x2x0.25mm ² (24AWG)	50/0.08	1.15	6.2	87.6
FLEX-HS30S.3P.025	3x2x0.25mm ² (24AWG)	50/0.08	1.15	6.9	87.6
FLEX-HS30S.4P.025	4x2x0.25mm ² (24AWG)	50/0.08	1.15	7.5	87.6
FLEX-HS30S.5P.025	5x2x0.25mm ² (24AWG)	50/0.08	1.15	7.8	87.6
FLEX-HS30S.6P.025	6x2x0.25mm ² (24AWG)	50/0.08	1.15	8.2	87.6
FLEX-HS30S.7P.025	7x2x0.25mm ² (24AWG)	50/0.08	1.15	8.8	87.6
FLEX-HS30S.10P.025	10x2x0.25mm ² (24AWG)	50/0.08	1.15	9.7	87.6
FLEX-HS30S.12P.025	12x2x0.25mm ² (24AWG)	50/0.08	1.15	10.5	87.6
FLEX-HS30S.2P.03	2x2x0.3mm ² (23AWG)	60/0.08	1.25	6.5	69.2
FLEX-HS30S.3P.03	3x2x0.3mm ² (23AWG)	60/0.08	1.25	7.3	69.2
FLEX-HS30S.4P.03	4x2x0.3mm ² (23AWG)	60/0.08	1.25	7.9	69.2
FLEX-HS30S.5P.03	5x2x0.3mm ² (23AWG)	60/0.08	1.25	8.1	69.2
FLEX-HS30S.6P.03	6x2x0.3mm ² (23AWG)	60/0.08	1.25	8.8	69.2
FLEX-HS30S.7P.03	7x2x0.3mm ² (23AWG)	60/0.08	1.25	9.3	69.2
FLEX-HS30S.10P.03	10x2x0.3mm ² (23AWG)	60/0.08	1.25	10.3	69.2

FLEX-HS30S.12P.03	12x2x0.3mm ² (23AWG)	60/0.08	1.25	11.2	69.2
FLEX-HS30S.2P.034	2x2x0.34mm ² (22AWG)	70/0.08	1.30	6.9	55.4
FLEX-HS30S.3P.034	3x2x0.34mm ² (22AWG)	70/0.08	1.30	7.6	55.4
FLEX-HS30S.4P.034	4x2x0.34mm ² (22AWG)	70/0.08	1.30	8.3	55.4
FLEX-HS30S.5P.034	5x2x0.34mm ² (22AWG)	70/0.08	1.30	8.8	55.4
FLEX-HS30S.6P.034	6x2x0.34mm ² (22AWG)	70/0.08	1.30	9.1	55.4
FLEX-HS30S.7P.034	7x2x0.34mm ² (22AWG)	70/0.08	1.30	9.6	55.4
FLEX-HS30S.10P.034	10x2x0.34mm ² (22AWG)	70/0.08	1.30	10.7	55.4
FLEX-HS30S.12P.034	12x2x0.34mm ² (22AWG)	70/0.08	1.30	11.5	55.4
FLEX-HS30S.2P.05	2x2x0.5mm ² (20AWG)	105/0.08	1.65	8.1	43.6
FLEX-HS30S.3P.05	3x2x0.5mm ² (20AWG)	105/0.08	1.65	9.3	43.6
FLEX-HS30S.4P.05	4x2x0.5mm ² (20AWG)	105/0.08	1.65	10.0	43.6
FLEX-HS30S.5P.05	5x2x0.5mm ² (20AWG)	105/0.08	1.65	10.7	43.6
FLEX-HS30S.6P.05	6x2x0.5mm ² (20AWG)	105/0.08	1.65	11.0	43.6
FLEX-HS30S.7P.05	7x2x0.5mm ² (20AWG)	105/0.08	1.65	12.0	43.6
FLEX-HS30S.10P.05	10x2x0.5mm ² (20AWG)	105/0.08	1.65	13.3	43.6
FLEX-HS30S.12P.05	12x2x0.5mm ² (20AWG)	105/0.08	1.65	14.3	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange	Black 1 dot	11#	a-Insulated core wire	Orange	Black 3 dot
	b-Insulated core wire	orange	Red 1 dot		b-Insulated core wire	orange	Red 3 dot

2#	a-Insulated core wire	Grey	Black 1 dot	12#	a-Insulated core wire	Grey	Black 3 dot
	b-Insulated core wire	Grey	Red 1 dot		b-Insulated core wire	Grey	Red 3 dot
3#	a-Insulated core wire	White	Black 1 dot	13#	a-Insulated core wire	White	Black 3 dot
	b-Insulated core wire	White	Red 1 dot		b-Insulated core wire	White	Red 3 dot
4#	a-Insulated core wire	Yellow	Black 1 dot	14#	a-Insulated core wire	Yellow	Black 3 dot
	b-Insulated core wire	Yellow	Red 1 dot		b-Insulated core wire	Yellow	Red 3 dot
5#	a-Insulated core wire	Light blue	Black 1 dot	15#	a-Insulated core wire	Light blue	Black 3 dot
	b-Insulated core wire	Light blue	Red 1 dot		b-Insulated core wire	Light blue	Red 3 dot
6#	a-Insulated core wire	Orange	Black 2 dot	16#	a-Insulated core wire	Orange	Black 4 dot
	b-Insulated core wire	Orange	Red 2 dot		b-Insulated core wire	Orange	Red 4 dot
7#	a-Insulated core wire	Grey	Black 2 dot	17#	a-Insulated core wire	Grey	Black 4 dot
	b-Insulated core wire	Grey	Red 2 dot		b-Insulated core wire	Grey	Red 4 dot
8#	a-Insulated core wire	White	Black 2 dot	18#	a-Insulated core wire	White	Black 4 dot
	b-Insulated core wire	White	Red 2 dot		b-Insulated core wire	White	Red 4 dot
9#	a-Insulated core wire	Yellow	Black 2 dot	19#	a-Insulated core wire	Yellow	Black 4 dot
	b-Insulated core wire	Yellow	Red 2 dot		b-Insulated core wire	Yellow	Red 4 dot
10#	a-Insulated core wire	Light blue	Black 2 dot	20#	a-Insulated core wire	Light blue	Black 4 dot
	b-Insulated core wire	Light blue	Red 2 dot		b-Insulated core wire	Light blue	Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.



Wanma CO.
002276



FLEX-HS03S.PUR

Industrial Equip Drag Chain Cable

30V 80°C Flexible Drag Chain Signal Cable [Shield]

20 million bending life, suitable for signal transmission in drag chain laying application
Elastomer insulation /PUR jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-HS03S.2P.015.PUR	2x2x0.15mm ² (26AWG)	30/0.08	0.90	5.5	140
FLEX-HS03S.3P.015.PUR	3x2x0.15mm ² (26AWG)	30/0.08	0.90	5.8	140
FLEX-HS03S.4P.015.PUR	4x2x0.15mm ² (26AWG)	30/0.08	0.90	6.2	140
FLEX-HS03S.5P.015.PUR	5x2x0.15mm ² (26AWG)	30/0.08	0.90	6.6	140
FLEX-HS03S.6P.015.PUR	6x2x0.15mm ² (26AWG)	30/0.08	0.90	7.0	140
FLEX-HS03S.7P.015.PUR	7x2x0.15mm ² (26AWG)	30/0.08	0.90	7.5	140
FLEX-HS03S.10P.015.PUR	10x2x0.15mm ² (26AWG)	30/0.08	0.90	8.0	140
FLEX-HS03S.12P.015.PUR	12x2x0.15mm ² (26AWG)	30/0.08	0.90	8.5	140
FLEX-HS03S.2P.02.PUR	2x2x0.2mm ² (25AWG)	41/0.08	1.0	5.7	111
FLEX-HS03S.3P.02.PUR	3x2x0.2mm ² (25AWG)	41/0.08	1.0	6.2	111
FLEX-HS03S.4P.02.PUR	4x2x0.2mm ² (25AWG)	41/0.08	1.0	6.7	111
FLEX-HS03S.5P.02.PUR	5x2x0.2mm ² (25AWG)	41/0.08	1.0	7.2	111
FLEX-HS03S.6P.02.PUR	6x2x0.2mm ² (25AWG)	41/0.08	1.0	7.4	111
FLEX-HS03S.7P.02.PUR	7x2x0.2mm ² (25AWG)	41/0.08	1.0	7.9	111
FLEX-HS03S.10P.02.PUR	10x2x0.2mm ² (25AWG)	41/0.08	1.0	8.5	111
FLEX-HS03S.12P.02.PUR	12x2x0.2mm ² (25AWG)	41/0.08	1.0	9.2	111
FLEX-HS03S.2P.025.PUR	2x2x0.25mm ² (24AWG)	50/0.08	1.05	5.9	87.6
FLEX-HS03S.3P.025.PUR	3x2x0.25mm ² (24AWG)	50/0.08	1.05	6.5	87.6
FLEX-HS03S.4P.025.PUR	4x2x0.25mm ² (24AWG)	50/0.08	1.05	7.0	87.6
FLEX-HS03S.5P.025.PUR	5x2x0.25mm ² (24AWG)	50/0.08	1.05	7.6	87.6
FLEX-HS03S.6P.025.PUR	6x2x0.25mm ² (24AWG)	50/0.08	1.05	7.9	87.6
FLEX-HS03S.7P.025.PUR	7x2x0.25mm ² (24AWG)	50/0.08	1.05	8.3	87.6
FLEX-HS03S.10P.025.PUR	10x2x0.25mm ² (24AWG)	50/0.08	1.05	9.0	87.6
FLEX-HS03S.12P.025.PUR	12x2x0.25mm ² (24AWG)	50/0.08	1.05	9.6	87.6
FLEX-HS03S.2P.03.PUR	2x2x0.3mm ² (23AWG)	60/0.08	1.20	6.4	69.2
FLEX-HS03S.3P.03.PUR	3x2x0.3mm ² (23AWG)	60/0.08	1.20	7.1	69.2
FLEX-HS03S.4P.03.PUR	4x2x0.3mm ² (23AWG)	60/0.08	1.20	7.8	69.2
FLEX-HS03S.5P.03.PUR	5x2x0.3mm ² (23AWG)	60/0.08	1.20	8.0	69.2
FLEX-HS03S.6P.03.PUR	6x2x0.3mm ² (23AWG)	60/0.08	1.20	8.6	69.2
FLEX-HS03S.7P.03.PUR	7x2x0.3mm ² (23AWG)	60/0.08	1.20	9.0	69.2
FLEX-HS03S.10P.03.PUR	10x2x0.3mm ² (23AWG)	60/0.08	1.20	9.9	69.2

FLEX-HS03S.12P.03.PUR	12x2x0.3mm ² (23AWG)	60/0.08	1.20	10.8	69.2
FLEX-HS03S.2P.034.PUR	2x2x0.34mm ² (22AWG)	70/0.08	1.30	6.9	55.4
FLEX-HS03S.3P.034.PUR	3x2x0.34mm ² (22AWG)	70/0.08	1.30	7.6	55.4
FLEX-HS03S.4P.034.PUR	4x2x0.34mm ² (22AWG)	70/0.08	1.30	8.3	55.4
FLEX-HS03S.5P.034.PUR	5x2x0.34mm ² (22AWG)	70/0.08	1.30	8.8	55.4
FLEX-HS03S.6P.034.PUR	6x2x0.34mm ² (22AWG)	70/0.08	1.30	9.1	55.4
FLEX-HS03S.7P.034.PUR	7x2x0.34mm ² (22AWG)	70/0.08	1.30	9.6	55.4
FLEX-HS03S.10P.034.PUR	10x2x0.34mm ² (22AWG)	70/0.08	1.30	10.7	55.4
FLEX-HS03S.12P.034.PUR	12x2x0.34mm ² (22AWG)	70/0.08	1.30	11.5	55.4
FLEX-HS03S.2P.05.PUR	2x2x0.5mm ² (20AWG)	105/0.08	1.55	7.7	43.6
FLEX-HS03S.3P.05.PUR	3x2x0.5mm ² (20AWG)	105/0.08	1.55	8.7	43.6
FLEX-HS03S.4P.05.PUR	4x2x0.5mm ² (20AWG)	105/0.08	1.55	9.5	43.6
FLEX-HS03S.5P.05.PUR	5x2x0.5mm ² (20AWG)	105/0.08	1.55	10.0	43.6
FLEX-HS03S.6P.05.PUR	6x2x0.5mm ² (20AWG)	105/0.08	1.55	10.4	43.6
FLEX-HS03S.7P.05.PUR	7x2x0.5mm ² (20AWG)	105/0.08	1.55	11.1	43.6
FLEX-HS03S.10P.05.PUR	10x2x0.5mm ² (20AWG)	105/0.08	1.55	12.6	43.6
FLEX-HS03S.12P.05.PUR	12x2x0.5mm ² (20AWG)	105/0.08	1.55	13.7	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .



FLEX-HS30S.PUR

工业设备用拖链电缆

300V 80°C Flexible Drag Chain Signal Cable [Shield]

20 million bending life, suitable for signal transmission in drag chain laying application
Elastomer insulation /PUR jacket

Sheet (1)

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FLEX-HS03S.2P.015.PUR	2x2x0.15mm ² (26AWG)	30/0.08	1.0	5.7	140
FLEX-HS03S.3P.015.PUR	3x2x0.15mm ² (26AWG)	30/0.08	1.0	6.2	140
FLEX-HS03S.4P.015.PUR	4x2x0.15mm ² (26AWG)	30/0.08	1.0	6.7	140
FLEX-HS03S.5P.015.PUR	5x2x0.15mm ² (26AWG)	30/0.08	1.0	7.2	140
FLEX-HS03S.6P.015.PUR	6x2x0.15mm ² (26AWG)	30/0.08	1.0	7.4	140
FLEX-HS03S.7P.015.PUR	7x2x0.15mm ² (26AWG)	30/0.08	1.0	7.9	140
FLEX-HS03S.10P.015.PUR	10x2x0.15mm ² (26AWG)	30/0.08	1.0	8.5	140
FLEX-HS03S.12P.015.PUR	12x2x0.15mm ² (26AWG)	30/0.08	1.0	9.2	140
FLEX-HS03S.2P.02.PUR	2x2x0.2mm ² (25AWG)	41/0.08	1.10	5.9	111
FLEX-HS03S.3P.02.PUR	3x2x0.2mm ² (25AWG)	41/0.08	1.10	6.5	111
FLEX-HS03S.4P.02.PUR	4x2x0.2mm ² (25AWG)	41/0.08	1.10	7.0	111
FLEX-HS03S.5P.02.PUR	5x2x0.2mm ² (25AWG)	41/0.08	1.10	7.6	111
FLEX-HS03S.6P.02.PUR	6x2x0.2mm ² (25AWG)	41/0.08	1.10	7.9	111
FLEX-HS03S.7P.02.PUR	7x2x0.2mm ² (25AWG)	41/0.08	1.10	8.3	111
FLEX-HS03S.10P.02.PUR	10x2x0.2mm ² (25AWG)	41/0.08	1.10	9.0	111
FLEX-HS03S.12P.02.PUR	12x2x0.2mm ² (25AWG)	41/0.08	1.10	9.6	111
FLEX-HS03S.2P.025.PUR	2x2x0.25mm ² (24AWG)	50/0.08	1.15	6.2	87.6
FLEX-HS03S.3P.025.PUR	3x2x0.25mm ² (24AWG)	50/0.08	1.15	6.9	87.6
FLEX-HS03S.4P.025.PUR	4x2x0.25mm ² (24AWG)	50/0.08	1.15	7.5	87.6
FLEX-HS03S.5P.025.PUR	5x2x0.25mm ² (24AWG)	50/0.08	1.15	7.8	87.6
FLEX-HS03S.6P.025.PUR	6x2x0.25mm ² (24AWG)	50/0.08	1.15	8.2	87.6
FLEX-HS03S.7P.025.PUR	7x2x0.25mm ² (24AWG)	50/0.08	1.15	8.8	87.6
FLEX-HS03S.10P.025.PUR	10x2x0.25mm ² (24AWG)	50/0.08	1.15	9.7	87.6
FLEX-HS03S.12P.025.PUR	12x2x0.25mm ² (24AWG)	50/0.08	1.15	10.5	87.6
FLEX-HS03S.2P.03.PUR	2x2x0.3mm ² (23AWG)	60/0.08	1.25	6.5	69.2
FLEX-HS03S.3P.03.PUR	3x2x0.3mm ² (23AWG)	60/0.08	1.25	7.3	69.2
FLEX-HS03S.4P.03.PUR	4x2x0.3mm ² (23AWG)	60/0.08	1.25	7.9	69.2
FLEX-HS03S.5P.03.PUR	5x2x0.3mm ² (23AWG)	60/0.08	1.25	8.1	69.2
FLEX-HS03S.6P.03.PUR	6x2x0.3mm ² (23AWG)	60/0.08	1.25	8.8	69.2
FLEX-HS03S.7P.03.PUR	7x2x0.3mm ² (23AWG)	60/0.08	1.25	9.3	69.2
FLEX-HS03S.10P.03.PUR	10x2x0.3mm ² (23AWG)	60/0.08	1.25	10.3	69.2
FLEX-HS03S.12P.03.PUR	12x2x0.3mm ² (23AWG)	60/0.08	1.25	11.2	69.2
FLEX-HS03S.2P.034.PUR	2x2x0.34mm ² (22AWG)	70/0.08	1.30	6.9	55.4

FLEX-HS03S.3P.034.PUR	3x2x0.34mm ² (22AWG)	70/0.08	1.30	7.6	55.4
FLEX-HS03S.4P.034.PUR	4x2x0.34mm ² (22AWG)	70/0.08	1.30	8.3	55.4
FLEX-HS03S.5P.034.PUR	5x2x0.34mm ² (22AWG)	70/0.08	1.30	8.8	55.4
FLEX-HS03S.6P.034.PUR	6x2x0.34mm ² (22AWG)	70/0.08	1.30	9.1	55.4
FLEX-HS03S.7P.034.PUR	7x2x0.34mm ² (22AWG)	70/0.08	1.30	9.6	55.4
FLEX-HS03S.10P.034.PUR	10x2x0.34mm ² (22AWG)	70/0.08	1.30	10.7	55.4
FLEX-HS03S.12P.034.PUR	12x2x0.34mm ² (22AWG)	70/0.08	1.30	11.5	55.4
FLEX-HS03S.2P.05.PUR	2x2x0.5mm ² (20AWG)	105/0.08	1.65	8.1	43.6
FLEX-HS03S.3P.05.PUR	3x2x0.5mm ² (20AWG)	105/0.08	1.65	9.3	43.6
FLEX-HS03S.4P.05.PUR	4x2x0.5mm ² (20AWG)	105/0.08	1.65	10.0	43.6
FLEX-HS03S.5P.05.PUR	5x2x0.5mm ² (20AWG)	105/0.08	1.65	10.7	43.6
FLEX-HS03S.6P.05.PUR	6x2x0.5mm ² (20AWG)	105/0.08	1.65	11.0	43.6
FLEX-HS03S.7P.05.PUR	7x2x0.5mm ² (20AWG)	105/0.08	1.65	12.0	43.6
FLEX-HS03S.10P.05.PUR	10x2x0.5mm ² (20AWG)	105/0.08	1.65	13.3	43.6
FLEX-HS03S.12P.05.PUR	12x2x0.5mm ² (20AWG)	105/0.08	1.65	14.3	43.6

Note:1) Not limited to the specifications listed above, other specifications can be customized according to customer requirements.

Sheet (2) 《Din47100 pair of stranded wire color scale》

Pair No.	A-core color	B-core color	Pair No.	A-core color	B-core color
1#	White	Brown	13#	White(Black)	Green(Black)
2#	Green	Yellow	14#	Grey(Green)	yellow(Grey)
3#	Grey	Pink	15#	Pink(Green)	Yellow(Pink)
4#	Blue	Red	16#	Green(Blue)	Yellow(Blue)
5#	Black	Purple	17#	Green(Red)	Yellow(Red)
6#	Grey(Pink)	Red(Blue)	18#	White(Black)	Yellow(Black)
7#	White(Green)	Brown(Green)	19#	Grey(Blue)	Pink(Blue)
8#	White(Yellow)	Yellow(Brown)	20#	Grey(Red)	Pink(Red)
9#	White(Grey)	Grey(Brown)	21#	Grey(Black)	Pink(Black)
10#	White(Pink)	Pink(Brown)	22#	Blue(Black)	Red(Black)
11#	White(Blue)	Brown(Blue)	23#~44#	Reference 1#~22#	Reference 1#~22#
12#	White(Red)	Brown(Red)	45#~66#	Reference 1#~22#	Reference 1#~22#

Note: each pair consists of an a-core and a b-core; from 23 # , mark the first repeat; from 45 # , mark the second repeat; secondary color in parentheses () .

Sheet (3) identification of insulating spots

NO.	twisted chromatogram		Color dot identification	NO.	twisted chromatogram		Color dot identification
1#	a-Insulated core wire	Orange	Black 1 dot	11#	a-Insulated core wire	Orange	Black3 dot
	b-Insulated core wire	orange	Red 1 dot		b-Insulated core wire	orange	Red 3 dot
2#	a-Insulated core wire	Grey	Black 1 dot	12#	a-Insulated core wire	Grey	Black3 dot
	b-Insulated core wire	Grey	Red 1 dot		b-Insulated core wire	Grey	Red 3 dot
3#	a-Insulated core wire	White	Black 1 dot	13#	a-Insulated core wire	White	Black3 dot
	b-Insulated core wire	White	Red 1 dot		b-Insulated core wire	White	Red 3 dot

4#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 1 dot Red 1 dot	14#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 3 dot Red 3 dot
5#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 1 dot Red 1 dot	15#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 3 dot Red 3 dot
6#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 2 dot Red 2 dot	16#	a-Insulated core wire b-Insulated core wire	Orange Orange	Black 4 dot Red 4 dot
7#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 2 dot Red 2 dot	17#	a-Insulated core wire b-Insulated core wire	Grey Grey	Black 4 dot Red 4 dot
8#	a-Insulated core wire b-Insulated core wire	White White	Black 2 dot Red 2 dot	18#	a-Insulated core wire b-Insulated core wire	White White	Black 4 dot Red 4 dot
9#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 2 dot Red 2 dot	19#	a-Insulated core wire b-Insulated core wire	Yellow Yellow	Black 4 dot Red 4 dot
10#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 2 dot Red 2 dot	20#	a-Insulated core wire b-Insulated core wire	Light blue Light blue	Black 4 dot Red 4 dot

Note: each pair of wires consists of an A insulated core wire and a B insulated core wire.