



Wanma CO.
002276



FA-CS03S Encoder/LVDS cable

Industrial equipment differential signal transmission connection cable

30V 80°C Flexible signal flexible cable [shield]

Lay cables in fixed and vibrating places
FRPVC insulation /FRPVC jacket

Product model	Product specification	Conductor (No./mm)	Insulation (Ømm)	Cable diameter (Ømm)	Conductor DC resistance Max.Ω/km@20° C
FA-CS03S.2P.014	2x2x0.14mm ² (26AWG)	18/0.10	0.85	5.0	140
FA-CS03S.3P.014	3x2x0.14mm ² (26AWG)	18/0.10	0.85	5.5	140
FA-CS03S.4P.014	4x2x0.14mm ² (26AWG)	18/0.10	0.85	5.8	140
FA-CS03S.5P.014	5x2x0.14mm ² (26AWG)	18/0.10	0.85	6.4	140
FA-CS03S.6P.014	6x2x0.14mm ² (26AWG)	18/0.10	0.85	6.6	140
FA-CS03S.7P.014	7x2x0.14mm ² (26AWG)	18/0.10	0.85	6.8	140
FA-CS03S.10P.014	10x2x0.14mm ² (26AWG)	18/0.10	0.85	7.7	140
FA-CS03S.12P.014	12x2x0.14mm ² (26AWG)	18/0.10	0.85	8.3	140
FA-CS03S.2P.02	2x2x0.2mm ² (25AWG)	26/0.10	0.98	5.5	111
FA-CS03S.3P.02	3x2x0.2mm ² (25AWG)	26/0.10	0.98	6.0	111
FA-CS03S.4P.02	4x2x0.2mm ² (25AWG)	26/0.10	0.98	6.5	111
FA-CS03S.5P.02	5x2x0.2mm ² (25AWG)	26/0.10	0.98	6.9	111
FA-CS03S.6P.02	6x2x0.2mm ² (25AWG)	26/0.10	0.98	7.2	111
FA-CS03S.7P.02	7x2x0.2mm ² (25AWG)	26/0.10	0.98	7.6	111
FA-CS03S.10P.02	10x2x0.2mm ² (25AWG)	26/0.10	0.98	8.5	111
FA-CS03S.12P.02	12x2x0.2mm ² (25AWG)	26/0.10	0.98	9.0	111
FA-CS03S.2P.025	2x2x0.25mm ² (24AWG)	32/0.10	1.05	5.7	87.6
FA-CS03S.3P.025	3x2x0.25mm ² (24AWG)	32/0.10	1.05	6.3	87.6
FA-CS03S.4P.025	4x2x0.25mm ² (24AWG)	32/0.10	1.05	6.8	87.6
FA-CS03S.5P.025	5x2x0.25mm ² (24AWG)	32/0.10	1.05	7.2	87.6
FA-CS03S.6P.025	6x2x0.25mm ² (24AWG)	32/0.10	1.05	7.6	87.6
FA-CS03S.7P.025	7x2x0.25mm ² (24AWG)	32/0.10	1.05	7.9	87.6
FA-CS03S.10P.025	10x2x0.25mm ² (24AWG)	32/0.10	1.05	8.9	87.6
FA-CS03S.12P.025	12x2x0.25mm ² (24AWG)	32/0.10	1.05	9.4	87.6
FA-CS03S.2P.03	2x2x0.3mm ² (23AWG)	17/0.15	1.20	6.2	69.2
FA-CS03S.3P.03	3x2x0.3mm ² (23AWG)	17/0.15	1.20	6.9	69.2
FA-CS03S.4P.03	4x2x0.3mm ² (23AWG)	17/0.15	1.20	7.5	69.2
FA-CS03S.5P.03	5x2x0.3mm ² (23AWG)	17/0.15	1.20	8.0	69.2
FA-CS03S.6P.03	6x2x0.3mm ² (23AWG)	17/0.15	1.20	8.4	69.2
FA-CS03S.7P.03	7x2x0.3mm ² (23AWG)	17/0.15	1.20	8.8	69.2
FA-CS03S.10P.03	10x2x0.3mm ² (23AWG)	17/0.15	1.20	9.7	69.2

FA-CS03S.12P.03	12x2x0.3mm ² (23AWG)	17/0.15	1.20	10.5	69.2
FA-CS03S.2P.034	2x2x0.34mm ² (22AWG)	17/0.16	1.30	6.5	55.4
FA-CS03S.3P.034	3x2x0.34mm ² (22AWG)	17/0.16	1.30	7.2	55.4
FA-CS03S.4P.034	4x2x0.34mm ² (22AWG)	17/0.16	1.30	7.9	55.4
FA-CS03S.5P.034	5x2x0.34mm ² (22AWG)	17/0.16	1.30	8.4	55.4
FA-CS03S.6P.034	6x2x0.34mm ² (22AWG)	17/0.16	1.30	8.9	55.4
FA-CS03S.7P.034	7x2x0.34mm ² (22AWG)	17/0.16	1.30	9.4	55.4
FA-CS03S.10P.034	10x2x0.34mm ² (22AWG)	17/0.16	1.30	10.6	55.4
FA-CS03S.12P.034	12x2x0.34mm ² (22AWG)	17/0.16	1.30	11.2	55.4
FA-CS03S.2P.05	2x2x0.5mm ² (21AWG)	26/0.16	1.55	7.3	43.6
FA-CS03S.3P.05	3x2x0.5mm ² (21AWG)	26/0.16	1.55	8.2	43.6
FA-CS03S.4P.05	4x2x0.5mm ² (21AWG)	26/0.16	1.55	9.0	43.6
FA-CS03S.5P.05	5x2x0.5mm ² (21AWG)	26/0.16	1.55	9.6	43.6
FA-CS03S.6P.05	6x2x0.5mm ² (21AWG)	26/0.16	1.55	10.2	43.6
FA-CS03S.7P.05	7x2x0.5mm ² (21AWG)	26/0.16	1.55	10.9	43.6
FA-CS03S.10P.05	10x2x0.5mm ² (21AWG)	26/0.16	1.55	12.4	43.6
FA-CS03S.12P.05	12x2x0.5mm ² (21AWG)	26/0.16	1.55	13.3	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 b-Insulated core wire	Orange orange	Black 1 dot Red 1 dot	11#	a-Insulated core wire b-Insulated core wire	Orange orange	Black 3 dot 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.



FA-CS30S Encoder/LVDS cable

Industrial equipment differential signal transmission connection cable



Wanma CO.
002276

300V 80°C Flexible signal flexible cable [shield]

Lay cables in fixed and vibrating places
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
FA-CS30S.2P.014	2x2x0.14mm ² (26AWG)	18/0.10	0.98	5.5	140
FA-CS30S.3P.014	3x2x0.14mm ² (26AWG)	18/0.10	0.98	6.0	140
FA-CS30S.4P.014	4x2x0.14mm ² (26AWG)	18/0.10	0.98	6.5	140
FA-CS30S.5P.014	5x2x0.14mm ² (26AWG)	18/0.10	0.98	6.9	140
FA-CS30S.6P.014	6x2x0.14mm ² (26AWG)	18/0.10	0.98	7.2	140
FA-CS30S.7P.014	7x2x0.14mm ² (26AWG)	18/0.10	0.98	7.6	140
FA-CS30S.10P.014	10x2x0.14mm ² (26AWG)	18/0.10	0.98	8.5	140
FA-CS30S.12P.014	12x2x0.14mm ² (26AWG)	18/0.10	0.98	9.0	140
FA-CS30S.2P.02	2x2x0.2mm ² (25AWG)	26/0.10	1.05	5.7	111
FA-CS30S.3P.02	3x2x0.2mm ² (25AWG)	26/0.10	1.05	6.3	111
FA-CS30S.4P.02	4x2x0.2mm ² (25AWG)	26/0.10	1.05	6.8	111
FA-CS30S.5P.02	5x2x0.2mm ² (25AWG)	26/0.10	1.05	7.2	111
FA-CS30S.6P.02	6x2x0.2mm ² (25AWG)	26/0.10	1.05	7.6	111
FA-CS30S.7P.02	7x2x0.2mm ² (25AWG)	26/0.10	1.05	7.9	111
FA-CS30S.10P.02	10x2x0.2mm ² (25AWG)	26/0.10	1.05	8.9	111
FA-CS30S.12P.02	12x2x0.2mm ² (25AWG)	26/0.10	1.05	9.4	111
FA-CS30S.2P.025	2x2x0.25mm ² (24AWG)	32/0.1	1.15	6.0	87.6
FA-CS30S.3P.025	3x2x0.25mm ² (24AWG)	32/0.1	1.15	6.7	87.6
FA-CS30S.4P.025	4x2x0.25mm ² (24AWG)	32/0.1	1.15	7.2	87.6
FA-CS30S.5P.025	5x2x0.25mm ² (24AWG)	32/0.1	1.15	7.7	87.6
FA-CS30S.6P.025	6x2x0.25mm ² (24AWG)	32/0.1	1.15	8.0	87.6
FA-CS30S.7P.025	7x2x0.25mm ² (24AWG)	32/0.1	1.15	8.5	87.6
FA-CS30S.10P.025	10x2x0.25mm ² (24AWG)	32/0.1	1.15	9.5	87.6
FA-CS30S.12P.025	12x2x0.25mm ² (24AWG)	32/0.1	1.15	10.0	87.6
FA-CS30S.2P.03	2x2x0.3mm ² (23AWG)	17/0.15	1.20	6.2	69.2
FA-CS30S.3P.03	3x2x0.3mm ² (23AWG)	17/0.15	1.20	6.9	69.2
FA-CS30S.4P.03	4x2x0.3mm ² (23AWG)	17/0.15	1.20	7.5	69.2
FA-CS30S.5P.03	5x2x0.3mm ² (23AWG)	17/0.15	1.20	8.0	69.2
FA-CS30S.6P.03	6x2x0.3mm ² (23AWG)	17/0.15	1.20	8.4	69.2

FA-CS30S.7P.03	7x2x0.3mm ² (23AWG)	17/0.15	1.20	8.8	69.2
FA-CS30S.10P.03	10x2x0.3mm ² (23AWG)	17/0.15	1.20	9.9	69.2
FA-CS30S.12P.03	12x2x0.3mm ² (23AWG)	17/0.15	1.20	10.5	69.2
FA-CS30S.2P.034	2x2x0.34mm ² (22AWG)	17/0.16	1.30	6.5	55.4
FA-CS30S.3P.034	3x2x0.34mm ² (22AWG)	17/0.16	1.30	7.2	55.4
FA-CS30S.4P.034	4x2x0.34mm ² (22AWG)	17/0.16	1.30	7.9	55.4
FA-CS30S.5P.034	5x2x0.34mm ² (22AWG)	17/0.16	1.30	8.4	55.4
FA-CS30S.6P.034	6x2x0.34mm ² (22AWG)	17/0.16	1.30	8.9	55.4
FA-CS30S.7P.034	7x2x0.34mm ² (22AWG)	17/0.16	1.30	9.4	55.4
FA-CS30S.10P.034	10x2x0.34mm ² (22AWG)	17/0.16	1.30	10.6	55.4
FA-CS30S.12P.034	12x2x0.34mm ² (22AWG)	17/0.16	1.30	11.2	55.4
FA-CS30S.2P.05	2x2x0.5mm ² (21AWG)	26/0.16	1.65	7.9	43.6
FA-CS30S.3P.05	3x2x0.5mm ² (21AWG)	26/0.16	1.65	9.1	43.6
FA-CS30S.4P.05	4x2x0.5mm ² (21AWG)	26/0.16	1.65	10.0	43.6
FA-CS30S.5P.05	5x2x0.5mm ² (21AWG)	26/0.16	1.65	10.7	43.6
FA-CS30S.6P.05	6x2x0.5mm ² (21AWG)	26/0.16	1.65	10.9	43.6
FA-CS30S.7P.05	7x2x0.5mm ² (21AWG)	26/0.16	1.65	11.3	43.6
FA-CS30S.10P.05	10x2x0.5mm ² (21AWG)	26/0.16	1.65	13.0	43.6
FA-CS30S.12P.05	12x2x0.5mm ² (21AWG)	26/0.16	1.65	14.0	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.