

LiH(St)H Cable

0.22mm² to 1.50mm²

HFFR-LSZH Sheath

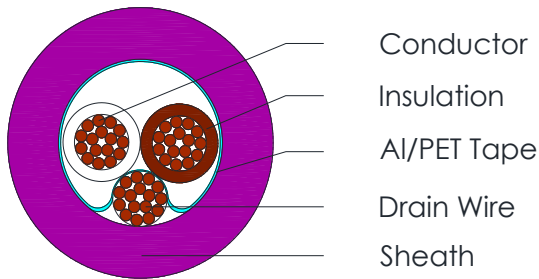


C5034 TO C5060 C5081 TO C5093

Applications

These cables are used indoors as data transmission cables with screen to protect the electrical interferences in automation systems and in the electronic control systems.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible plain copper wire
Insulation	HFFR-LSZH
Screen	Al/PET Tape
Drain Wire	Tinned copper wire
Outer Sheath Material	HFFR-LSZH Standard Colour: Purple
Standard Put Up Length	305m

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Constructional Information

Part Number	Conductor Gauge (sq mm)	Conductor Construction (mm)	Min. Insulation Thickness (mm)	Overall Diameter (mm)	Cable Weight (kg/km)
C5034	2×0.22	12×0.15	0.3	3.9	21
C5035	3×0.22	12×0.15	0.3	4.1	25
C5036	4×0.22	12×0.15	0.3	4.5	29
C5037	5×0.22	12×0.15	0.3	4.9	34
C5038	6×0.22	12×0.15	0.3	5.2	38
C5039	7×0.22	12×0.15	0.3	5.6	42
C5040	8×0.22	12×0.15	0.3	6.0	47
C5041	9×0.22	12×0.15	0.3	6.2	51
C5042	10×0.22	12×0.15	0.3	6.5	55
C5043	12×0.22	12×0.15	0.3	6.7	62
C5044	14×0.22	12×0.15	0.3	7.0	70
C5045	16×0.22	12×0.15	0.3	7.4	79
C5046	18×0.22	12×0.15	0.3	7.8	86
C5047	20×0.22	12×0.15	0.3	8.2	94
C5048	25×0.22	12×0.15	0.3	9.3	115
C5049	2×0.50	16×0.20	0.4	4.9	32
C5050	3×0.50	16×0.20	0.4	5.2	40
C5051	5×0.50	16×0.20	0.4	6.2	57
C5052	2×0.75	24×0.20	0.4	5.3	38
C5053	3×0.75	24×0.20	0.4	5.7	49
C5054	4×0.75	24×0.20	0.4	6.2	60
C5081	5×0.75	24×0.20	0.4	6.8	75
C5082	6×0.75	24×0.20	0.4	7.3	86
C5083	7×0.75	24×0.20	0.4	7.4	96
C5084	8×0.75	24×0.20	0.4	8.1	110
C5085	9×0.75	24×0.20	0.4	8.9	123
C5086	10×0.75	24×0.20	0.4	9.5	135
C5087	12×0.75	24×0.20	0.4	10.0	160
C5088	14×0.75	24×0.20	0.4	10.5	182
C5089	16×0.75	24×0.20	0.4	11.2	208
C5090	18×0.75	24×0.20	0.4	11.8	235
C5091	20×0.75	24×0.20	0.4	12.3	256
C5092	25×0.75	24×0.20	0.4	14.4	328
C5093	50×0.75	24×0.20	0.4	19.6	623
C5055	2×1.00	32×0.20	0.4	5.4	43
C5056	3×1.00	32×0.20	0.4	5.8	55
C5057	4×1.00	32×0.20	0.4	6.3	68
C5058	2×1.50	30×0.25	0.5	6.4	57
C5059	3×1.50	30×0.25	0.5	6.8	75
C5060	4×1.50	30×0.25	0.5	7.5	95

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Electrical Characteristics at 20°C

Conductor Gauge (sq mm)	Max DC Resistance (Ohm/km)	Rated Temperature (°C)	Operating Voltage (V)	Min Insulation Resistance (M.Ohm/km)	Test Voltage for 1Min.
0.22	96	-30 to +70	500	200	1200
0.50	38.9	-30 to +70	500	200	1200
0.75	26	-30 to +70	500	200	1200
1.00	19.5	-30 to +70	500	200	1200
1.50	13.3	-30 to +70	900	200	2500

Color Code

Core Number	Color	Core Number	Color	Core Number	Color
1	White	10	Violet	19	White-pink
2	Brown	11	Grey-pink	20	Pink-brown
3	Green	12	Red-blue	21	White-blue
4	Yellow	13	White-green	22	Brown-blue
5	Grey	14	Brown-green	23	White-red
6	Pink	15	White-yellow	24	Brown-red
7	Blue	16	Yellow-brown	25	White-black
8	Red	17	White-grey		
9	Black	18	Grey-brown		

Reference Standards

IEC 60228	IEC60332-1
VDE 47100	EN 50290-2
RoHS directives	