

Single Core Photo Volatic Wires, LSZH Insulated and Sheathed

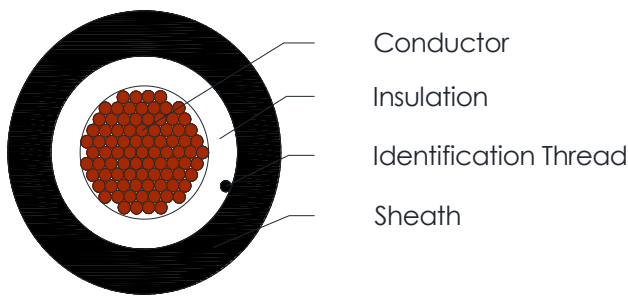


CI 782, CI 783, CI 784, CI 785, CI 786, CI 787, CI 788, CI 789, CI 790, CI 791, CI 792, CI 793

Applications

Suitable for the interconnection of the components of PV systems are characterized by: optimum mechanical properties in a range of operating temperature - 40 to + 90 °C, high abrasion resistance, tear, UV, ozone , water, flame propagation, low smoke, halogen-free, weather resistance that allows a period equal to the life of the PV system.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Halogen Free Flame Resistant (HFFR)
Identification Thread	C type
Sheath Material	Halogen Free Flame Resistant (HFFR) UV Resistant, Ozone Resistant Standard Colour: Black/Red/Blue
Standard Put Up Length	305 metres

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

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C1782, C1783, C1784, C1785, C1786, C1787, C1788, C1789, C1790, C1791, C1792, C1793

Physical Characteristics

Part Number	C1782	C1783	C1784	C1785	C1786	C1787	C1788	C1789	C1790	C1791	C1792	C1793
Conductor Size (mm ²)	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0	70.0	95.0	120.0
Max. Diameter of single conductor wire (mm)	0.26	0.26	0.31	0.31	0.41	0.41	0.41	0.41	0.41	0.51	0.51	0.51
Nom. Overall Diameter (mm)	4.6	5.1	5.7	6.5	7.9	9.2	11.0	12.0	14.3	16.0	18.1	20.7
Min. Bend Radius (install) (mm)	27.6	30.6	34.2	39.0	47.4	55.2	66.0	72.0	85.8	96.0	108.6	124.2
Nominal Cable Weight (kg/km)	32	44	58	81	137	203	302	389	550	732	1028	1286
Operating temperature(°C)	-25 to 90											

Electrical Characteristics

Part Number	C1782	C1783	C1784	C1785	C1786	C1787	C1788	C1789	C1790	C1791	C1792	C1793
Conductor Size (mm ²)	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0	70.0	95.0	120.0
Max. DC Resistance Conductor (Ω/km)	13.7	8.21	5.09	3.39	1.95	1.24	0.80	0.57	0.39	0.28	0.21	0.16
Max. Voltage	1.2KVac 1.8KVcc											
Testing Voltage	6.5KVac 15KVcc											

Reference Standards

IEC 60228 Class 5	EN 60216
EN 50267-1/2	CEI 20-91 G21Type
IEC 60754-1/2	CEI 20-91 M21 Type
IEC 61034-2	BS EN 50618
IEC 60332-1	CEI 20-37/4-0
IEC 60287	HD 605
EN 50396	RoHS directives