

BMS-FIRE RESISTANT HFFR Cable, 1 pr, 12 to 22AWG, Overall Screen, HFFR/LSZH Sheath

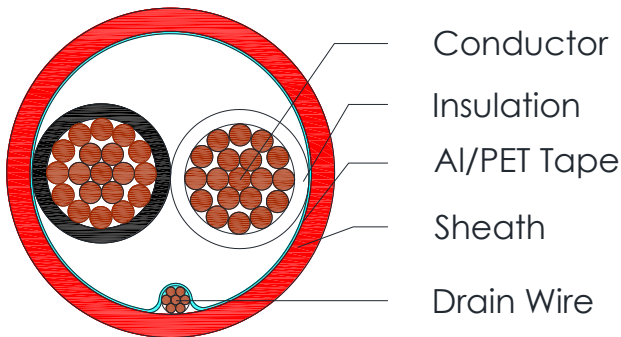


C15326, C15327, C15328, C15329, C15330, C15331

Applications

Fire Resistant cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Silicon Rubber Core 1: Black Core 2: White
Pair	Two wires twisted together
Drain Wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Sheath Material	Halogen-Free Flame-Retardant (HFFR/LSZH) Standard colour: Red
Standard Put Up Length	305 meters

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

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1 pr, 12 to 22AWG, Overall Screen,
HFFR/LSZH Sheath**



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Physical Characteristics

Part Number	C15326	C15327	C15328	C15329	C15330	C15331
Number of pairs	1					
Conductor size (AWG)	12	14	16	18	20	22
Conductor stranding (AWG)	19x25	19x27	19x29	7x26	7x28	7x30
Nom. Radial Thickness Insulation (mm)	0.62	0.6	0.6	0.55	0.55	0.5
Nom. Radial Thickness Sheath (mm)	0.9	0.9	0.8	0.8	0.8	0.8
Nom. Overall Diameter(mm)	9.1	8.0	7.0	6.2	5.9	5.2
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	665	420	270	200	110	80
Min. Bend Radius (install) (mm)	91	80	70	62	59	52
Nominal Cable Weight (kg/km)	132.6	97.9	74.3	48.4	37.2	27.1

Electrical Characteristics

Part Number	C15326	C15327	C15328	C15329	C15330	C15331
Max. DC Resistance Conductor (Ω/km)	5.61	9.36	15.47	22.7	35.75	57.4
Max. DC Resistance Screen (Ω/km)	78.5					
Max. Recommended Current at 25°C (Amps)	13	9.5	7.1	5.2	3.9	2.9
Max. Operating Voltage (Vrms)	600	600	300	300	300	300

Reference Standards

(BS) EN 50290-2	IEC 60754-1&-2
IEC 60228	IEC 61034
IEC 60332-3-24	EN 50200 PH30
RoHS directives	