

# Fire Detection and Alarm System 300V Cables

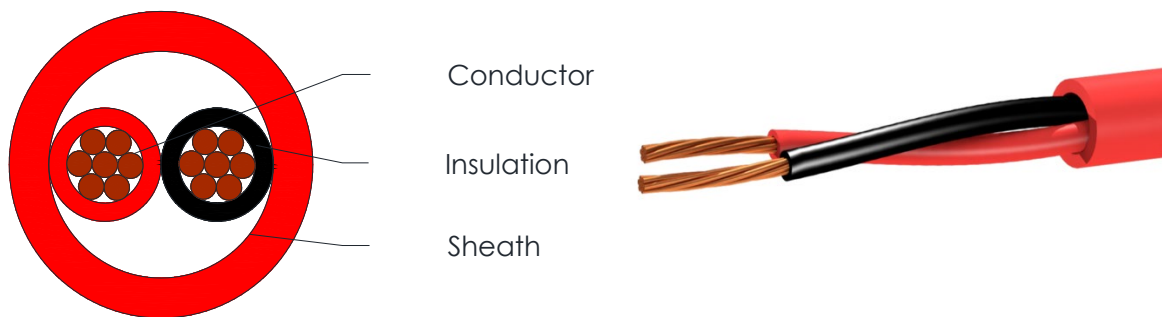
## Two Core, Stranded conductor, Unscreened, FPLR Type

C1561, C1562, C1563, C1564



### Applications

Unscreened two core cable suitable for Fire Detection and Alarm Systems.



### Design

Unit	Properties
Conductor	2 x Bare Stranded Copper wire
Insulation	Polyvinyl Chloride Core 1: Black, Core 2: Red
Sheath Material	Flame-Retardant Polyvinyl Chloride(PVC) Colour: Red
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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## Physical Characteristics

Part Number	C1561	C1562	C1563	C1564
No of cores x AWG Gauge	2 x 18AWG	2 x 16AWG	2 x 14AWG	2 x 12AWG
Nom. Diameter Conductor (mm)	1.16	1.4	1.8	2.33
Nom. Radial Thickness Insulation (mm)	0.4	0.4	0.6	0.6
Nom. Radial Insulation Diameter (mm)	2.00	2.25	3.00	3.53
Nom. Radial Thickness Sheath (mm)	0.9	0.9	1.0	1.1
Nom. Overall Diameter (mm)	6.0	6.3	8.0	9.3
Operating Temperature (°C)	-40 to +105			
Max. Recommended Pulling Tension (N)	215	345	552	876
Min. Bend Radius (install) (mm)	57	60	77	86
Nominal Cable Weight (kg/km)	45.2	53.8	83.8	116.3
Fire Retardancy	FPLR	FPLR	FPLR	FPLR

## Electrical Characteristics at 20°C

Part Number	C1561	C1562	C1563	C1564
No of cores x AWG Gauge	2 x 18AWG	2 x 16AWG	2 x 14AWG	2 x 12AWG
Max. DC Resistance Conductor	22.7	15.47	9.36	5.61
Capacitance conductor to conductor	60	71	69	65
Nominal Inductance	0.3	0.5	0.6	0.6
Max. Recommended Current at 25°C	5.3	11	18	24
Max. Operating Voltage	300			

## Reference Standards

UL1424
UL1666 FPLR
RoHS directives