

Applications

Two core cable suitable for Fire Protection Systems

Sector - BT FIREPRO-TEC™

Fire Alarms Systems (FAS)

Standard References

UL1424
 UL1666
 RoHS directives

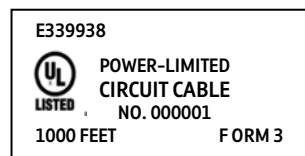
Design

1. **Conductor**
2 x Bare Copper wire
2. **Insulation**
Polyvinyl Chloride
Core 1: Black,
Core 2: Red
3. **Sheath Material**
Flame-Retardant
Polyvinyl Chloride (PVC)
Colour: Red

Standard Put Up Length

305 metres

Example of the label which will be attached to a reel



Physical Characteristics

BTCL Part Number	Unit	C1135	C1136	C1137	C1138
No of cores x AWG Gauge		2 x 18AWG	2 x 16AWG	2 x 14AWG	2 x 12AWG
Gauge	AWG	18	16	14	12
Nom. Diameter Conductor	mm	1.02	1.29	1.63	2.05
Nom. Radial Thickness Insulation	mm	0.4	0.4	0.6	0.6
Lay-length of twisted cable core	mm	≤ 48	≤ 53	≤ 69	≤ 80
Nom. Radial Thickness Sheath	mm	0.9	0.9	1.1	1.1
Nom. Overall Diameter	mm	5.8	6.0	7.7	8.6

Electrical Characteristics (at 20°C)

BTCL Part Number	Unit	C1135	C1136	C1137	C1138
No of cores x AWG Gauge		2 x 18AWG	2 x 16AWG	2 x 14AWG	2 x 12AWG
Max. DC Resistance Conductor	Ω/km	22.7	15.47	9.36	5.61
Capacitance conductor to conductor	pF/m	60	71	69	65
Nominal Inductance	μH/m	0.3	0.5	0.6	0.6
Max. Recommended Current at 25°C	Amps	5.3	11	18	24
Max. Operating Voltage	Vrms	300	300	300	300

Miscellaneous

BTCL Part Number	Unit	C1135	C1136	C1137	C1138
No of cores x AWG Gauge		2 x 18AWG	2 x 16AWG	2 x 14AWG	2 x 12AWG
Fire Retardancy		UL1666	UL1666	UL1666	UL1666
Operating Temperature	°C	-40 to +105	-40 to +105	-40 to +105	-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