

EUROSAFE JE-H(SI)H 300/500V (E30/E60)
(PH I 20) Fire Resistant
Overall Screen, LSZH/HFFR Sheath

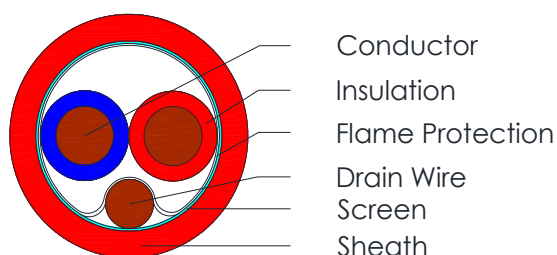


C5344, C5345, C5346, C5347, C5348, C5349, C5350, C5351

Applications

Suitable for the transmission of signals and controls for electrical equipment when you need maximum security against fire, such as emergency lighting and alarm systems, automatic fire detection, fire extinguishing equipment, automatic opening doors, ventilation systems and conditioning, emergency telephone systems.

Cross Section Drawing



Design

Unit	Properties
Conductor	Annealed Bare Copper class 1
Insulation	Ceramifiable Silicon Rubber Pair 1: Blue + Red Pair 2: Yellow + Grey Pair 3: Green + Brown Pair 4: White + Black
Flame Protection	Glass-fibre tape
Drain Wire	Annealed Tinned Copper wire
Screen	Aluminium/Polyester tape
Sheath Material	Halogen Free Flame-Retardant (LSZH/HFFR) Standard Colour: Red RAL 3000
Standard Put Up Length	305 and 500 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	C5344	C5345	C5346	C5347	C5348	C5349	C5350	C5351
No of Pairs	1	1	2	1	2	1	2	1
Cross section (mm ²)	0.50	0.80	0.80	1.0	1.0	1.5	1.5	2.5
Glass-fibre tape thickness (mm)	0.12							
Screen thickness (μm)	9/23							
Min. Screen Coverage (%)	110							
Nom. Overall Diameter (mm)	5.2	5.6	8.6	6.9	10.1	8.5	12.4	9.6
Cable weight (kg/km)	32	40	77	67	138	100	205	132
Max. Working Temperature (°C)	Up to +90							
Max. conductor temperature (°C)	Up to +180							
Short-circuit Temperature (°C)	Up to +350							
Minimum bending radius (mm)	62	56	86	69	101	85	124	96
Fire Resistant	During 120min. at temperature 830(-0+40) °C							
Fire Resistant	E30/E60							
Fire Resistant	During 180min. at temperature 750°C (FE180)							
Max. Halogen Free (mg/g)	0.5-0.5%							
Low smoke emission	Transmittance > 60%							
Flame Retardant	IEC 60332-1-2							
Flame Retardant	IEC 60332-3-24							

Electrical Characteristics at 20°C

Part Number	C5344	C5345	C5346	C5347	C5348	C5349	C5350	C5351
Max. DC Resistance Conductor (Ω/km)	36.0	26.2	26.2	18.1	18.1	12.1	12.1	7.41
Max. Operating Voltage (Vrms)	300/500							
Test Voltage (V)	2000							

Reference Standards

DIN VDE 815	BS EN 50363-1
IEC 60228	EN 50200 PH120
IEC 60332-1-2	CEI EN 50267-2-1/2, IEC 60754-1&-2
IEC 60332-3-24	IEC 61034-2
DIN VDE 4102-12	IEC 60331-21 FE180
VDE 472-814	RoHS Directives