

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

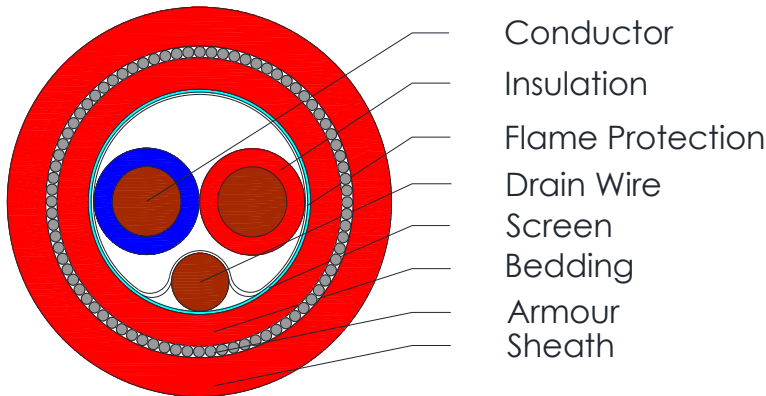


C5900, C5905

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 Core1: Blue Core2: Red
Flame Protection	Glass-fibre tape
Drain Wire	Annealed Tinned Copper wire
Screen	Aluminium/Polyester tape
Bedding	Halogen Free Flame-Retardant (LSZH/HFFR)
Armoured	Galvanized Steel Wire
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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C5900, C5905

Physical Characteristics

Part Number	C5900	C5905
Cross section (mm ²)	0.50	1.5
Glass-fibre tape thickness (mm)	0.12	
Screen thickness (μm)	9/23	
Min. Screen Coverage (%)	110	
Nom. Overall Diameter (mm)	9.5	12.3
Cable weight (kg/km)	133	215
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)	133	172
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	C5900	C5905
Max. DC Resistance Conductor (Ω/km)	36.0	12.1
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