



CPR C_{ca} Rated Cable

H05Z1Z1-F CPR Class: C_{ca}, s2, d2, a1

318_B – 300/500V Mains Flexibles

BS-EN60228:5005, IEC60092-353

Where high performance to CPR standards is required, our range of H05Z1Z1-F cables will meet your needs having achieved CPR EuroClass C_{ca} [AVCP System 1+.] [A05Z1Z1-F Cables suitable for DALI Lighting](#)

Low levels of smoke emission, flaming droplets, and acid gas production mean that this cable meets the requirements of BS6701 Amendment 1 so can be specified in your installation with complete peace of mind.



Physical Characteristics

		0.75mm ²	1.0mm ²	1.50mm ²	2.50mm ²
Conductor:		Bare Copper	Bare Copper	Bare Copper	Bare Copper
Insulation:		LSZH Ø2.20mm	LSZH Ø2.35mm	LSZH Ø2.50mm	LSZH Ø3.45mm
Outer Sheath:	3182B	LSZH Ø6.20mm	LSZH Ø6.50mm	LSZH Ø7.40mm	LSZH Ø9.20mm
	3183B	LSZH Ø6.60mm	LSZH Ø6.90mm	LSZH Ø7.90mm	LSZH Ø10.00mm
	3184B	LSZH Ø7.10mm	LSZH Ø7.60mm	LSZH Ø9.00mm	LSZH Ø10.90mm
	3185B	LSZH Ø8.10mm	LSZH Ø8.60mm	LSZH Ø10.00mm	n/a
	3186B	n/a	LSZH Ø9.60mm	n/a	n/a
Sheath Colours:		Black White	Black White	Black White	Black White
EN50575 CPR Class:		C _{ca} , s2, d2, a1	C _{ca} , s2, d2, a1 3186B - E _{ca}	C _{ca} , s2, d2, a1	C _{ca} , s2, d2, a1

Electrical Characteristics

Conductor DC Resistance BS EN 60228	<26 [Ω/km]	<19.9 [Ω/km]	<13.3 [Ω/km]	<7.98 [Ω/km]
Current Rating	6 Amps	10 Amps	15 Amps	20 Amps
Rated Temperature	-30°C - +80°C	-30°C - +80°C	-30°C - +80°C	-30°C - +80°C
Rated Voltage	300V/500V	300V/500V	300V/500V	300V/500V
Test Voltage	AC 2kV	AC 2kV	AC 2kV	AC 2kV

Colour Code

	2 Core	3 Core	4 Core	5 Core	5 Core A05Z1Z1 Colours	6 Core A05Z1Z1 Colours
Core 1	Blue	Green/Yellow	Green/Yellow	Green/Yellow	Green/Yellow	Green/Yellow
Core 2	Brown	Blue	Brown	Brown	Brown	Brown
Core 3		Brown	Black	Black	Blue	Black
Core 4			Grey	Grey	Red	Blue
Core 5				Blue	White	Red
Core 6						White



CPR Rating	
A _{ca}	
B1 _{ca}	
B2 _{ca}	
C _{ca}	←
D _{ca}	
E _{ca}	
F _{ca}	

Our full product range includes:

COAXIALS: RG / URM Digital / Satellite (incl Sky+) [CAI Approved] CCTV RF / Microwave
TELECOM: CW1308LSF CW1308LSZH CW1308B CW1128 CW1128/1198 CW1128/1252 Dropwire Jumper Wire CW1311 3002 Coax Flat Cordage
STRUCTURED WIRING: CAT5e UTP & FTP CAT6 UTP & FTP CAT6A U-UTP & U-FTP CAT7A S-FTP [PVC LSZH External UV PE SWA Versions]
DATA: Single Pair Shielded/Unshielded Overall Shielded Core Overall Shielded Pairs Foil & Braid Shield Individual Shielded Pairs Twinax [Belden Equivalents]
DEF STANDARD: 7/0.2 Unscreened / Screened 16/0.2 Unscreened / Screened
CCTV / SECURITY: RG/URM Coaxial Video/Door Entry Composites BS4737 Alarm Flex Mains Flex PH30/PH120 Fire Performance Cable
FIBRE OPTICS: Singlemode/Multimode Loose Tube/Tight Buffer Internal/External LSZH Corrugated Armour/SWA
SPEAKER FLEX: "QCSound" Pro Grade OFC Cores LSZH Sheaths External Grade
CONNECTED HOME: QCMCS [2x HDTV Coax] + [2x CAT6] + [1x CAT5e]
CONTROL BUS CABLES: KNX/EIB Bus Cables DataBus® DeviceNet™ PROFIBUS Lutron Grafik Eye® CRESSNET® SIMMTRONIC - EBus / MBus / OBus Echelon LonWorks® Mode Lighting
MAINS FLEX: H03VV-F H03VVH2-F H05VV-F H05Z1Z1-F BS6500/BS7919 Arctic Grade H07RN-F
SOLAR: TUV Approved PV Cable.

All our products are RoHS2 [2011/65/EU] and REACH Compliant unless stated otherwise

Statement of Conformance

It is hereby certified that any goods supplied that reference those above, conform to this specification unless otherwise noted

