FIRE RESISTANCE- FIRETEK SMART CABLES

RATED 300/500 V

CU (STRANDED), SILICON RUBBER INSULATED, OVERALL SHIELDED & LSZH SHEATHED

Specifications:, BS 6387 (Category CWZ), BS EN 50200 (Class PH 120),IEC 60331-21 ,IEC 60332-3 CAT C

APPLICATION	
For emergency lighting and fire alarm system	
CONSTRUCTION	
Conductor	Plain, Annealed, Stranded Copper to Class 2 of BS EN 60228
Insulation	Extruded Silicon Rubber
Core Color	• 2-Core: Red, Black
Assembly, Overall Screen & Drain Wire	Required number of cores are assembled together and wrapped with FROH Tape with suitable overlap. Aluminum-backed Mylar tape (Al-Pet Foil) is applied over assembly with 100% coverage and an overlap of 25% with metal side in contact with a stranded tinned copper drain wire of 0.5mm2 nominal cross section area.
Outer Sheath	Low Smoke Halogen-Free (LSZH) compound. The color is Red or White.
Printing Text on the Outer Sheath	ELECTRIC CABLE FIRETEK No. of CORES X SIZE R + 0.5R D/W 300/500 V BS 6387 CWZ BS EN 50200 (PH120) IEC 60331-21 (3Hrs) SA7Z1 LPCB 1517b/03 (Rotation No.) TEKAB (Year) MADE IN UAE
Fire Resistance	BS 6387 (Category CWZ) BS EN 50200 (Class PH 120) IEC 60331-21
Acid Gas Emission	< 0.5% HCl (BS EN/IEC 60754-1)
Flame Retardant	IEC 60332-3 CAT C, IEC 60332-1
Light Transmittance	> 60% (BS EN/IEC 61034-2)
Bending Radius	6 x Cable OD
Tolerance on Cable Outer diameter	±1.5mm
ELECTRICAL PROPERTIES	
Maximum Conductor D.C. Resistance at 20°C (Ω/km)	12.1(1.5mm^2), 7.41(2.5mm^2)
Voltage Test	2000 V RMS AC for 1 min
Voltage Rating	300/500V

DIMENSION TABLE								
Item No.	**TEKAB Item Code**	**Cores**	**Size (mm^2)**	**No of Strands**	**Insulation Thickness Nom(mm)**	**Outer Sheath Thickness Nom (mm)**	**Approx. Overall Diameter (mm)**	**Approx. Weight (kg/km)**
1	SA7Z1	2C	1.5	7	0.7	0.9	8.7	92
2	SA7Z1	2C	2.5	7	0.8	1.0	10.2	132

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