



FLAME RETARDANT, LOW SMOKE, HALOGEN FREE THERMOSETTING INSULATED AUXILIARY ARMoured CABLES
TYPE: ZZ2Z1

Description : Multicore armoured auxiliary control cables with thermosetting insulation having low emission of smoke and corrosive gases, when affected by fire.

Construction

- Conductor : Stranded copper class 2 to BS 6360
- Insulation : Thermosetting material type GP8 to BS 7655 with low emission of smoke corrosive gases when effected by fire.
- Lay-up : In concentric layers
- Bedding : Extruded Polymeric material with HCl level less than 0.5% to BS 6425
- Armouring : Single layer of galvanized round steel wire
- Sheath : Extruded Polymeric material type LTS1 to BS 7655: Section 6.1

Rated Voltage : 600/1000V

Specification : BS 6724

Characteristics

- Spark Test on Insulation : to BS 5099
- Voltage Test : 3500V
- Conductor Resistance : to BS 6360
- Insulation Resistance constant of over sheath : 0.0035 MΩ.km
- **Test under fire conditions:**
 - Flame propagation on single cable : to BS 4066 - Part 1
 - Flame propagation on multiple cable : to BS 4066 - Part 3
 - Smoke emission : to BS 7622-Part 2
 - Corrosive & Acid Gas test : to BS 6425 - Part 1

Technical Data

600/1000V Armoured Auxiliary Cables With Stranded Copper Conductors			
Number of Cores	Nominal Cross-Sectional Area of Conductor mm ²	Approx. Overall Diameter mm	Approx. Net Weight Kg/Km
7	1.5	15.2	495
12		19.4	810
19		22.2	1083
27		26.7	1628
37		29.0	1940
48		32.7	2344
7	2.5	17.1	753
12		22.4	1090
19		26.6	1658
27		30.7	2146
37		33.8	2624
48		39.3	3242
7	4	19.7	985
12		25.7	1620
19		29.3	2204
27		34.4	2945
37		39.2	3644
48		44.1	4455