



The cables are designed, manufactured and tested as data transmission cables for emergency services. These are used for data and voice transmission when high frequency signal has to be assured also in the event of a fire.

Standards - Basic design to BS 50288-7, BS 7629, IEC 60332-3, IEC 60331

IMPROVED FIRE PERFORMANCE TEST

Circuit Integrity Test	As per IEC 60331, BS 6387
Flame Retardant Test on Bunched Cable	As per IEC 60332-3, IEC 60332-1, IS 10810
Halogen Gas Emission Test	As per IEC 60754-1
Oxygen Index Test	As per ASTM D 2863
Temperature Index Test	As per ASTM D 2863
Smoke density test	As per ASTM D 2843

COLOR CODE

Insulation Color	: White with Black numberings
Sheath Color	: Blue or Red (other colors on request)

CABLE CONSTRUCTION

Conductor	: Plain annealed copper wire, stranded according to IEC(EN) 60228 Class 2
Insulation	: Mica glass tape covered with extruded cross-linked XLPE compound or Fire resistant silicone rubber compound
Cabling	: The Cores are cabled together in concentric layers with suitable Non-Hygroscopic fillers.
Overall Screen	: Aluminium/Polyester tape with 0.5 Sqmm screen(7/0.3mm) with Tinned Copper drain wire.
Inner Sheath(Optional)	: Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1
Armouring (Optional)	: Galvanized steel wire armour
Outer Sheath	: Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1
Voltage Rating	: 500V

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