J-Y(St)Y...Lg

Areas of Use

Fire alarm and telecommunication installation cables with electrostatic screen for information processing, signal transmission, voice communication and telephone stations for indoor applications. The static screen protects the signal from external electrical interference.

Cable Construction

Conductor	Annealed Solid Copper (IEC/EN 60228)
Insulation	PVC (EN 50290-2-21 TI1, VDE 0207 Part 4 YI1)
Core Colors	TS 13767, VDE 0815
Lay-up	Two cores twisted in pair and pairs stranded together (2 pairs cables are star quad lay-up)
Separator	PET Foil
Drain Wire	Solid Tinned Copper Wire
Screen	Al-PET Foil
Outer Sheath	PVC (EN 50290-2-22 TM1, VDE 0207 Part 5 YM1), RAL 3000 - Red
Reference Standards	TS 13767, VDE 0815

Technical Properties

Operating Voltage	300 V
Test Voltage	800 V
Insulation Resistance	>100 M.Ωxkm
Capacitance (@800Hz)	≤100 nF/km (capacitance values may increase by 20% up to 4 pair)
Temperature Range	-30 °C.....+70 °C
Loop Resistance	0.60 mm..... ≤130.0 Ω/km; 0.80 mm ..... ≤73.2 Ω/km 1.12 mm.....≤36.0 Ω/km; 1.37 mm ..... ≤24.0 Ω/km; 1.75 mm.....≤14.5 Ω/km
Flame Retardancy	IEC/EN 60332-1
Min. Bending Radius (Fixed)	8 x Cable Diameter

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