

Cables for Intrusion Detection and Fire Systems

Cable J-Y (St) Y

Overview

These cables are commonly used in fixed installation signal and data on telephone circuits, access control, alarms, etc. The version with red outer sheath serves to visually identify the fire alarm system. Electrostatic shield (St) protects the transmission from outside interference.

TECNICAL DATA

Standards

DIN VDE 0815

Drain Wire

Bare copper

Conductor

Solid bare copper, class 1

Outer Sheath

PVC

Insulation

PVC

Color

Grey (RAL 7001) or red (RAL 3000)

Core Identification

Pair 1 – Red + Blue

Pair 2 – Red + Black; White + Yellow

Pair 3 – Red + Blue; White + Yellow; White + Green

Pair 4 – Red + Blue; White + Yellow; White + Green;

White + Brown

Printing

“Manufacturer” J-Y (St) Y (no. pairs) x (cross section mm²)
(length mt) (year of manufacture) CE

Strapping

Polyester tape

Tests

Self-extinguishing and flame retardant according to IEC 60332-1

Shield

Aluminum/Polyester tape, coverage 100%

Operating Voltage

300V

Table: No. Pairs, diameter and weight for each cable of intrusion detection and fire system type J-Y (St) Y.

No. Pairs x cross sec.[mm]	Ø Outer [mm]	Weight [kg/km]
1x2x0.8	4.9	30
2x2x0.8	5.5	48
3x2x0.8	7.5	73
4x2x0.8	8.2	93