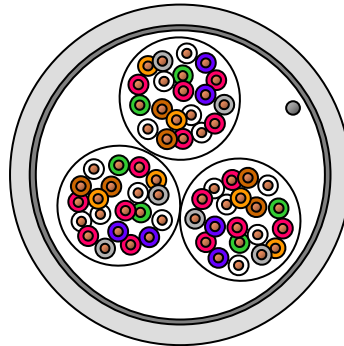


J-2Y(St)Y/H 25/50/100x2x0.5

F/UTP Data Cable acc. to Cat. 3



Application

These cables are used as riser cable in structured cabling networks, most often between distribution frames.

Standards

IEC 61156, ISO/IEC 11801 /1995, TIA/EIA 568-A

Flame resistance

PVC IEC 60332-1
FRNC IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	Solid bare copper wire, diameter 0.5 mm
Insulation	Solid PE (2Y)
Stranding	5 or 10 pairs stranded to sub units. Cables up to 100 pairs are built up with 1 st layer: 3 basic units, 2 nd layer: 7 basic units
Identification	Pair 1-5: a-Core wt; b-Core bl, or, gn, br, gr Pair 6-10: a-Core rd; b-Core bl, or, gn, br, gr Sub units 1-10: color of binding tapes acc. to IEC 60304: bl, or, gn, br, gr, wt, rd, bk, ye, vi
Wrapping	Plastic foils
Screen	Aluminium laminated plastic foil, drain wire AWG24 tinned
Sheath	PVC (Y) or FRNC (H) grey, RAL 7035

Mechanical properties

Minimum bending radius	without load	4 x D (D= Outer diameter)
	with load	8 x D (D= Outer diameter)
Temperature	during operation	- 20° C to + 60° C
	during installation	0° C to + 50° C



J-2Y(St)Y/H 25/50/100x2x0.5

Electrical properties

at 20°C

Loop resistance		≤ 192 Ω/km
Test voltage	core/core (1min)	1500 V
	core/screen (1min)	1500 V
Capacitance unbalance	1 kHz	≤ 1500 pF/km
Characteristic impedance	1 – 16 MHz	100 Ω ± 15 Ω
Transfer impedance	1 MHz	50 mΩ/m
Insulation resistance		≥ 5 GΩ*km

Electrical data

at 20°C

Frequency (kHz)	Attenuation (dB/km) (nominal value)	NEXT (Test length > 300 m) (dB) (nominal value)
1	26	41
4	56	32
10	98	26
16	131	23

Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Copper content	Tensile force N
	J-2Y(St)Y	25x2x0.5 Cat. 3	12.6	170	1000	120	500
	J-2Y(St)Y	50x2x0.5 Cat. 3	16.0	309	1000	240	1000
	J-2Y(St)Y	100x2x0.5 Cat. 3	22.0	598	1000	485	2000
1000065-01000DX	J-2Y(St)H	25x2x0.5 Cat. 3 FRNC	12.6	176	1000	120	500
1000066-01000DX	J-2Y(St)H	50x2x0.5 Cat. 3 FRNC	16.0	310	1000	240	1000
1000067-01000DX	J-2Y(St)H	100x2x0.5 Cat. 3 FRNC	22.0	580	1000	485	2000