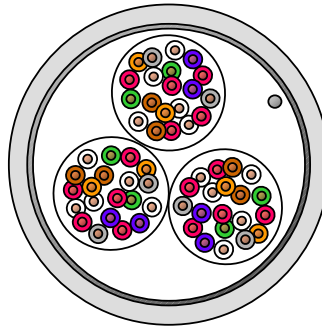




Central office Cable acc. to Cat 3 F/UTP

J-2Y(St)Y/H 25/50/100x2x0,52 (AWG 24)



Application

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

Standards

Flame resistance

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

Construction

Conductor	Solid bare copper wire, diameter 0,52 mm
Insulation	Solid PE (2Y), wall thickness 0.25 mm (nominal value)
Stranding	5 or 10 pairs stranded to sub units. Cables up to 100 pairs are built up with sub units stranded in concentric layers
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 LSOH (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



Central office Cable acc. to Cat 3 F/UTP

Electrical properties

at 20°C

Loop resistance		≤ 186 Ω/km
Mutual capacitance		45 nF/km
Test voltage	core/core(1min)	1000 V
	core/screen(1min)	2000 V
Mutual capacitance	1 kHz	≤ 50 nF/km
Capacitance unbalance	1 kHz	≤ 1600 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 (MHz)	Attenuation (dB/km)	NEXT (Test length > 300 m) (dB)
	(nominal value)	(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	Drum size KTG/ring	Gross weight kg	Copper content	Tensile force N
CD26...	J-2Y(St)Y	25x2x24AWG Cat. 3	12.9	170	091	219	103	500
CD26...	J-2Y(St)Y	50x2x24AWG Cat. 3	16.2	309	121	450	206	1000
CD26...	J-2Y(St)Y	100x2x24AWG Cat. 3	22.8	598	141	772	421	2000
CD7619200	J-2Y(St)H	25x2x24AWG Cat. 3 LSOH	12.9	162	091	214	103	500
CD76502	J-2Y(St)H	50x2x24AWG Cat. 3 LSOH	16.2	294	121	441	206	1000
CD76...	J-2Y(St)H	100x2x24AWG Cat. 3 LSOH	22.8	576	141	747	421	2000

Ordering info

El. No.	Designation	Type	Colour	DCD No.	DCN No.
1080929	J-2Y(St)H	25x2x24AWG Cat. 3 LSOH	Grey, RAL7035	DCD10064-00001DP	799205
1080930	J-2Y(St)H	50x2x24AWG Cat. 3 LSOH	Grey, RAL7035	DCD10065-00001DP	799206
1080931	J-2Y(St)H	100x2x24AWG Cat. 3 LSOH	Grey, RAL7035	DCD10066-00001DP	799207