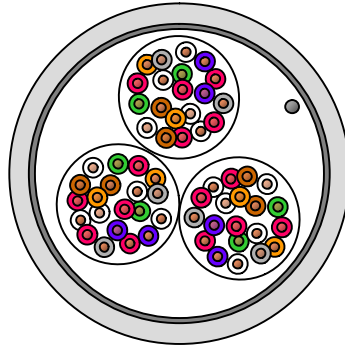


## J-2Y(St)Y/H 25/50/100x2x0.5

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 <sup>st</sup> layer: 3 basic units, 2 <sup>nd</sup> 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	FRNC (H), also available on request with PVC (Y) 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 (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 ca. mm	Weight ca. kg/km	Standard delivery length m	Copper content kg/km	Tensile force N
on request	J-2Y(St)Y	25x2x0.5 Cat. 3	12.8	190	1000	120	500
on request	J-2Y(St)Y	50x2x0.5 Cat. 3	16.4	320	1000	240	1000
on request	J-2Y(St)Y	100x2x0.5 Cat. 3	22.2	600	1000	485	2000
1000065-01000DX	J-2Y(St)H	25x2x0.5 Cat. 3 FRNC	12.8	177	1000	120	500
1000066-01000DX	J-2Y(St)H	50x2x0.5 Cat. 3 FRNC	16.4	307	1000	240	1000
1000067-01000DX	J-2Y(St)H	100x2x0.5 Cat. 3 FRNC	22.2	572	1000	485	2000

[PRODUCT CODE TABLE]

© PRYSMIAN GROUP 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.