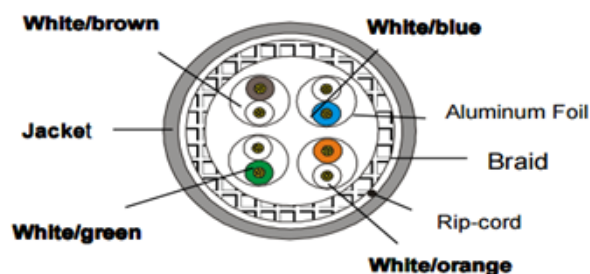


S/FTP 4pairs cable category6 - PE sheath



COLOUR:

BLUE-WHITE/BLUE
ORANGE-WHITE/ORANGE
GREEN-WHITE/GREEN
BROWN-WHITE/BROWN



CABLE DESCRIPTION

1-CONDUCTOR

TYPE:SOLID-Copper clad aluminum wire

DIAMETER:0.56±0.005mm

AWG:23/1

2-INSULATION

TYPE:PE solid

DIAMETER:1.0mm±0.01mm

3-PIMF:every pair with the AL FOIL shield**4-Braiding**

AL wire 80*0.12mm Coverage 60%

5-RIP CORD

YES

6-OUTER JACKET

TYPE:PE

COLOUR:BLACK

THICKNES:0.60mm

EXTERNAL DIAMETER:6.3mm±0.2mm

PASS 70m FLUKE TEST

Operating temperature: -20 - 75°C

PARAMETER

UNIT

VALUE

Max.linear tesistance.

 Ω /km

≤130

Mutual capacity(nom.)

pF/m

50

Unbalance capacity max

pF/km

1600

Characteristic impedance
(1 at 100 MHz) Ω

100±15

VELOCITY OF PROPAGATION
(f> 1MHz)

%of c

66

Marking

Outdoor CAT6 SOLID /PATCH CORD EIA/TIA 568
4x2xAWG 23/1 S/FTP PIMF/SHIELDED 250 MHz
Reaction to fire: Eca; EN 50575:2014+A1: 2016

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1			65,3	62,3	63,8	60,8
4			56,3	53,3	51,8	48,8
10			50,3	47,3	43,8	40,8
16			47,2	44,2	39,7	36,7
20			45,8	42,0	37,8	34,8
25			44,3	41,3	35,8	32,8
31,25			42,9	39,9	33,9	30,9
62,5			38,4	35,4	27,9	24,9
100			35,3	32,3	23,8	20,8

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter

PACKING:100m/ROLL



Wentronic GmbH
Pillmannstraße 12
38112 Braunschweig