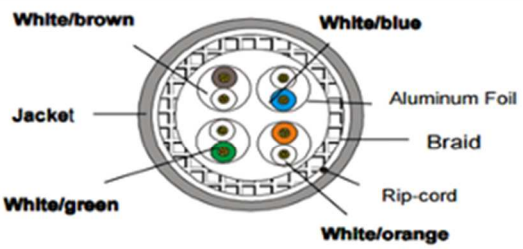
50977: CAT 6 network cable, S/FTP (PiMF), grey	TECHNICAL DATA SHEET

S/FTP 4pairs cable category6 -



COLOUR:
BLUE-WHITE/BLUE
ORANGE-WHITE/ORANGE
GREEN-WHITE/GREEN
BROWN-WHITE/BROWN



CABLE DESCRIPTION

1-CONDUCTOR

TYPE:SOLID-Copper
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*0.12AL Wire

5-RIP CORD

YES

6-OUTER JACKET

TYPE:LSOH
COLOUR:GREY
THICKNES:0.60mm
EXTERNAL DIAMETER:6.3mm±0.2mm

PASS 90m FLUKE TEST

PARAMETER	UNIT	VALUE
Max.linear tesistance.	Ω/km	⩽80
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

CAT6 SOLID /PATCH CORD EIA/TIA 568 4x2AWG 23/1 CU
S/FTP PIMF/SHIELDED 250 MHz LSOH/FRNC Halogen Free
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