



Product description
Screened (S/FTP) Category 6, RJ45 cords (equipment, patch, and work area)

CAT 6 Installation cable
Network cable for outdoor installation
For mounting with LSA connectors

Generic cabling and cabling components standard - Category 6_A balanced cord requirements

- ISO/IEC 11801:2011 (Ed. 2.2)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568-C.2:2009
- IEC 61935-2:2010 (Ed. 3.0) (transmission requirements)

- Inner conductor:	*4x2xAWG23/1*
- Shielding:	*S/FTP; PIMF*
- Insulation:	*PE; black, UV and water resistent*
- Standard:	*Cat 6 (250 MHz)*
- Impedance:	*100±15 Ohm*
- Weight:	*3.532 kg*
- on spool	
- RoHS compliant	

Technical report
DELTA-T731530-05, DANAK-19/18191

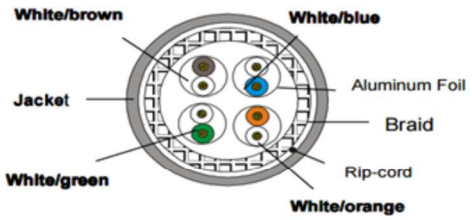
EC Cabling product ID
5342

CS valid until
30 August 2018

Änderungen			Datum	Name	Bezeichnung	Blatt
Datum	Name	gez.:	05.08.2015	tf	CAT 6 OUTDOOR SOLID S/FTP CCA PIMF 100m	
		gepr.:	05.08.2015	tf		
		Norm:			Zeichnungs-Nr.: 57197	von

57197: CAT 6 outdoor network cable, S/FTP (PiMF), black	TECHNICAL DATA SHEET

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
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

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