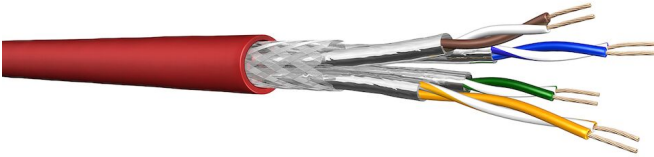


UC900 SS27 Cat.7 S/FTPp 4P PUR

Data patch cable Cat.7 S/FTP



CABLE FEATURES

Prysmian patch cable for indoor use UC900 SS27 Cat.7 S/FTPp 4P PUR

- The cable is double-shielded with foil pair shielding and high-quality braided cover.
- The 4-pair patch cable with 8 stranded copper conductors AWG27 is suitable for plug termination and connection to sockets, which can accommodate stranded conductors, for mobile use in buildings.
- The product exceeds the requirements of EN50173-1; EN50288-4-2, ISO/IEC11801; IEC61156-6 and IEEE802.3af/at/bt.
- The jacket is made of Polyurethane.
- The product fulfills segregation class C according to EN50174 with a coupling attenuation of 55 dB.
- The cable is future-proof for all applications according to Class C, D, E, EA and F and suitable for the operation of PoE and PoE+ over a channel length of up to 60m. It is suitable for the following applications: Telephony, Ethernet, Fast Ethernet, Gigabit Ethernet and 10Gigabit Ethernet, 10BaseT, 100BaseT, 1000BaseT, 1GBase-T, 10GBaseT or up to 10,000Mbit/s.

Latest version of this data sheet is available for download: [ProductFamily238956](#)

GENERAL INFO

Work area and patch cord cable IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T IEEE 802.5 16 MB; ISDN; TPDDI; ATM

CERTIFICATIONS AND DESIGN STANDARDS

RoHS 

EN 50288-2-2

ISO/IEC 11801

EN 50173

IEC 60332-1-2

Data communications patch cable shielded up to 100MHz
Generic telecom cabling for customer premises
Information technology - Generic cabling systems
Single wire fire test

CABLE CONSTRUCTION

Conductor category	Class 2 = stranded
Conductor material	Copper
Conductor surface	Bare
AWG size	27
Core insulation material	Foam-skin-PE
Nominal diameter over insulation [mm]	
Screen over stranding element	Foil
Number of stranding elements	4
Identification of stranding elements	Core colors: blue/white; orange/white; green/white; brown/white
Screen material	Copper, tinned
Screen over stranding	Braiding
Material outer sheath	Polyurethane (PUR)
Cable shape	Round
Nominal outer diameter [mm]	5.8

APPLICATION PROPERTIES

Operation temperature (min) [°C]	-20	(max) [°C]	60
Installation temperature (min) [°C]	0	(max) [°C]	50
Bending radius (rule)	Installation: 8 x outer diameter; Installed: 4 x outer diameter		

FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-1-2
Halogen free	
Low smoke	Yes
Reaction-to-fire class (acc. EN 13501-6)	None
Smoke development class (acc. EN 13501-6)	Not applicable
Euro class flaming droplets/particles (acc. EN 13501-6)	Not applicable
Euro class acidity (acc. EN 13501-6)	Not applicable
Fire load [MJ/km]	
DOP number	

MECHANICAL PROPERTIES

Cable weight [kg/km]	0
Copper weight [kg/km]	24
Max. tensile strength during installation [kN]	0.1
Nominal outer diameter [mm]	5.8

ELECTRICAL PROPERTIES

Test voltage [kV]	
Category	7
NVP value [%]	79
Propagation delay (max) [ns/100m]	427
Delay skew (max) [ns/100m]	12
Characteristic impedance [Ohm]	100
Nominal mutual capacitance [pF/m]	43
Loop resistance [Ohm]	340
Coupling attenuation [dB]	
Insulation resistance [$M\Omega \cdot km$]	5,000
Transfer impedance at 10 MHz [mOhm/m]	10
Segregation classification (acc. EN 50174-2)	d

CAT 7 TRANSMISSION CHARACTERISTICS (AT 20°C)

Frequency (MHz)	Attenuation (dB/10 m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100 m)	PS-ACR (dB/100 m)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return Loss (dB)
1	0.3	90	87	90	87	80	77	23
4	0.6	90	87	89	86	80	77	24
10	1	90	87	89	86	80	77	25
16	1.2	90	87	89	86	80	77	25
20	1.4	90	87	89	86	80	77	25
31.2	1.7	90	87	88	85	70	67	25
62.5	2.4	90	87	88	85	64	61	23
100	3.1	86	83	83	80	60	57	21
125	3.4	85	82	82	79	58	55	20
155.5	3.9	84	81	80	77	56	53	19
175	4.1	83	80	79	76	55	52	19
200	4.4	82	79	78	75	54	51	18
250	4.9	80	77	75	72	52	49	18
300	5.4	79	76	74	71	50	47	17
450	6.8	77	74	70	67	47	44	17
600	7.9	75	72	67	64	44	41	17
750	8.9	73	70	64	61	42	39	
900	9.8	72	69	62	59	41	38	
1000	10.4	71	68	61	58	40	37	

PRODUCT ORDER DATA

Product name	Colour outer sheath	SAP code	Packaging type	Standard packaging quantity	Gross weight
UC900 SS 27 C7 S/FTPP 4P PUR GY	Grey	60014326	Drum	500	20.1
UC900 SS27 C7 S/FTPP 4P PUR RD	Red	60014327	Drum	1	38.6
UC900 SS27 C7 S/FTPP 4P PUR RD	Red	60014328	Coil	100	3.6
UC900 SS27 C7 S/FTPP 4P PUR RD	Red	60011459	Drum	500	20
UC900 SS27 C7 S/FTPP 4P PUR RD	Red	60014330	Drum	1,000	38.6

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