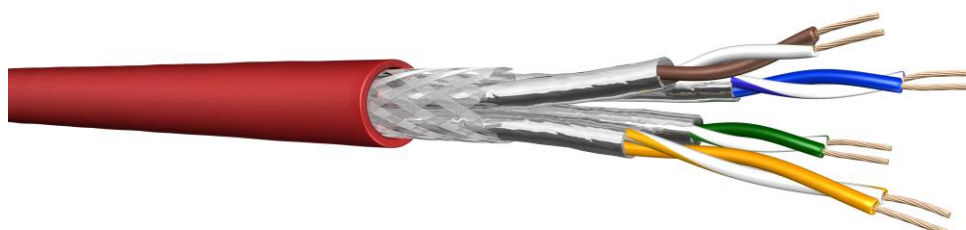


DRAKA UC900 FLEX CAT.7 S/FTP 4P PUR

S/FTP patch cable AWG26/7



Application

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
Power over Ethernet (PoE) / Type 1-4

Standards

EN 50173-1; EN 50288-4-2
ISO/IEC 11801; IEC 61156-6
IEEE 802.3af / at / bt

Flame resistance

IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	stranded bare copper wire AWG 26/7
Insulation	Foam Skin Polyethylene, Ø 1.0 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	Copper braid, tinned
Sheath	Polyurethan (PUR) good resistance to oil, gasoline, acids and alkalis

Mechanical properties

Bending radius	without load	$\geq 4 \times D$
	with load	$\geq 8 \times D$
Temperature range	during operation	-30°C bis + 75°C
	during installation	0°C to + 50°C

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Electrical properties

at 20°C ± 5°C

Loop resistance		290 Ω/km
Resistance unbalance		≤ 3%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Mean characteristic impedance	at 100 MHz	100 ± 5 Ω
Nominal velocity of propagation		approx. 79 %
Propagation delay		460 ns/100m
Delay skew		12 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	25 mΩ/m
	at 10 MHz	25 mΩ/m
Coupling attenuation		80 dB

Electrical data (nominal)

acc. to Cat.7 (at 20°C)

F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB/100m)	Return loss (dB)	PS-NEXT (dB)	PS-ACR (dB/100m)	ACRF (dB/100m)	PS-ACRF (dB/100m)
1	3	100	97	-	97	94	90	87
4	5.5	100	95	27	97	92	90	87
10	8	100	92	28	97	89	84	81
16	10	100	90	28	97	87	80	77
20	11	97	86	28	94	83	80	77
31.25	14	95	81	28	92	78	75	72
62.5	20	95	75	28	92	72	73	70
100	26	95	69	28	92	66	66	63
155	32	94	62	26	91	59	62	59
200	37	93	56	25	90	53	56	53
250	41	93	52	25	90	49	53	50
300	47	92	45	23	89	42	45	42
600	68	90	22	20	87	19	39	36
750	77	85	8	18	82	5		
900	88	83	-5	17	80	-8		
1000	95	80	-15	17	77	-18		

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Technical data

Product code	Type	Colour	Outer diam.	Fire load	Weight	Cu content	Tensile force
			mm	MJ / km	kg / km		N
60111555	Li-02YSC11Y 4x2x0.45L PiMF PUR	red	6.0	565	38	18	100

Product Code Table

Product Description	PG Part Number	PG Reference Code
UC900 FLEX C7 S/FTP 4P PUR RD	60111555	60111555
UC900 FLEX C7 S/FTP 4P PUR RD 500DW	60111604	60111555
UC900 FLEX C7 S/FTP 4P PUR RD 1000DW	60111463	60111555
UC900 FLEX C7 S/FTP 4P PUR GY	60111606	60111606
UC900 FLEX C7 S/FTP 4P PUR GY 500DW	60111575	60111606
UC900 FLEX C7 S/FTP 4P PUR BK	60111605	60111605
UC900 FLEX C7 S/FTP 4P PUR BK 500DW	60111607	60111605