

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

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

EN50399: Class D_{ca} s2 d2 a1
LSHF-FR: 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	LSHF, color see "Technical data"	

Mechanical properties

Bending radius	without load	≥ 4 x D
	with load	≥ 8 x D
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

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

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		

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

Technical data

Product code	Type	Colour	Outer diam. mm	CPR class	Fire load		Weight kg/km	Cu content	Tensile force N
					MJ/km	kWh/m			
60108812	DRAKA UC900 FLEX CAT.7 S/FTP 4P LSHF	grey	5.9	D _{ca} S2 d2 a1	465	0.122	38	18	100

Product Code Table

Product Description	PG Part Number	PG Reference Code
DR UC900 FLEX C7 S/FTP 4P LSHF BK	60109037	60109037
DR UC900 FLEX C7 S/FTP 4P LSHF BK 1000DW	60108961	60109037
DR UC900 FLEX C7 S/FTP 4P LSHF BK 100RW	60108923	60109037
DR UC900 FLEX C7 S/FTP 4P LSHF BK 500DW	60109035	60109037
DR UC900 FLEX C7 S/FTP 4P LSHF BK np	60109375	60109375
DR UC900 FLEX C7 S/FTP 4P LSHF BU	60109045	60109045
DR UC900 FLEX C7 S/FTP 4P LSHF BU 1000DW	60109043	60109045
DR UC900 FLEX C7 S/FTP 4P LSHF BU 100RW	60109041	60109045
DR UC900 FLEX C7 S/FTP 4P LSHF BU 500DW	60109046	60109045
DR UC900 FLEX C7 S/FTP 4P LSHF BU np	60109332	60109332
DR UC900 FLEX C7 S/FTP 4P LSHF GN	60108962	60108962
DR UC900 FLEX C7 S/FTP 4P LSHF GN 1000DW	60109044	60108962
DR UC900 FLEX C7 S/FTP 4P LSHF GN 100RW	60108963	60108962
DR UC900 FLEX C7 S/FTP 4P LSHF GN 500DW	60109040	60108962
DR UC900 FLEX C7 S/FTP 4P LSHF GN np	60109303	60109303
DR UC900 FLEX C7 S/FTP 4P LSHF GY	60108812	60108812
DR UC900 FLEX C7 S/FTP 4P LSHF GY 1000DW	60108884	60108812
DR UC900 FLEX C7 S/FTP 4P LSHF GY 100RW	60108909	60108812
DR UC900 FLEX C7 S/FTP 4P LSHF GY 25RW	60108910	60108812
DR UC900 FLEX C7 S/FTP 4P LSHF GY 4100DO	60108885	60108812
DR UC900 FLEX C7 S/FTP 4P LSHF GY 500DW	60108813	60108812
DR UC900 FLEX C7 S/FTP 4P LSHF GY 50RW	60108934	60108812
DR UC900 FLEX C7 S/FTP 4P LSHF GY np	60109330	60109330
DR UC900 FLEX C7 S/FTP 4P LSHF OG	60108959	60108959
DR UC900 FLEX C7 S/FTP 4P LSHF OG 1000DW	60108958	60108959
DR UC900 FLEX C7 S/FTP 4P LSHF OG 100RW	60108922	60108959
DR UC900 FLEX C7 S/FTP 4P LSHF OG 500DW	60109034	60108959
DR UC900 FLEX C7 S/FTP 4P LSHF RD	60109036	60109036
DR UC900 FLEX C7 S/FTP 4P LSHF RD 1000DW	60109038	60109036
DR UC900 FLEX C7 S/FTP 4P LSHF RD 100RW	60108960	60109036
DR UC900 FLEX C7 S/FTP 4P LSHF RD 500DW	60109039	60109036
DR UC900 FLEX C7 S/FTP 4P LSHF RD np	60109374	60109374
DR UC900 FLEX C7 S/FTP 4P LSHF VT	60109049	60109049
DR UC900 FLEX C7 S/FTP 4P LSHF VT 1000DW	60109055	60109049
DR UC900 FLEX C7 S/FTP 4P LSHF WH	60109056	60109056
DR UC900 FLEX C7 S/FTP 4P LSHF WH 1000DW	60109050	60109056
DR UC900 FLEX C7 S/FTP 4P LSHF WH np	60109333	60109333
DR UC900 FLEX C7 S/FTP 4P LSHF YE	60109054	60109054
DR UC900 FLEX C7 S/FTP 4P LSHF YE 1000DW	60109047	60109054
DR UC900 FLEX C7 S/FTP 4P LSHF YE 100RW	60109042	60109054
DR UC900 FLEX C7 S/FTP 4P LSHF YE 500DW	60109048	60109054
DR UC900 FLEX C7 S/FTP 4P LSHF YE np	60109331	60109331