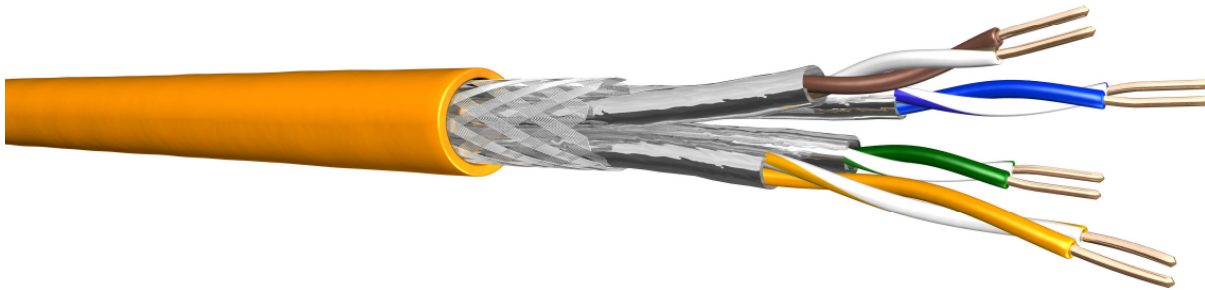


UC900 SS23 Cat.7

S/FTP AWG23/1



Einsatzgebiete

Primär (Campus), Sekundär (Riser), Tertiär (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; **10GBase-T**
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet (PoE) / PoE+.

Geltende Normen

EN 50173-1; EN 50288-4-1
ISO/IEC 11801; IEC 61156-5; IEEE 802.3af

Flammwidrigkeit

LSHF (LSOH): IEC 60332-1; IEC 60754-2; IEC 61034; Class Eca
LSHF-FR (LSOH-FR): IEC 60332-1; IEC 60332-3-24; IEC 60754-2; IEC 61034; EN 50399 Class Dca

Kabelaufbau

Leiter	Cu-Draht, blank Ø 0,56 mm (AWG 23/1)
Isolierung	Foam-Skin Polyethylen, Ø 1,38 mm
Verseilung	2 Adern zum Paar
Paarabschirmung	Aluminium-beschichtete Kunststoff-Verbundfolie
Verseilung zur Seele	4 Paare (PiMF) zur Seele
Gesamtabschirmung	Cu-Geflecht verzinkt
Schutzmantel	LSHF-FR, orange RAL 2003

Mechanische Eigenschaften

Biegeradien	ohne Zugbelastung	4 x D
	mit Zugbelastung	8 x D
Betriebstemperaturbereich	ruhend	-20°C bis + 60°C
	bewegt	0°C bis + 50°C

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Elektrische Eigenschaften

bei 20°C ± 5°C

Schleifenwiderstand		154 Ω/km	
Widerstandsunsymmetrie		≤ 2%	
Isolationswiderstand	(500 V)	≥ 5000 MΩ *km	
Kapazität	bei 800 Hz	Nom. 43 nF/km	
Kapazitätsunsymmetrie	(Paar/Erde)	≤ 1500 pF/km	
Mittlerer Wellenwiderstand	100 MHz	100 ± 5 Ω	
Relative Ausbreitungsgeschwindigkeit		ca. 79 %	
Signallaufzeit		≤ 425 ns/100m	
Laufzeitunterschied		≤ 9 ns/100m	
Prüfspannung	(DC, 1 min) Ader/Ader und Ader/Schirm	1000 V	
Kopplungswiderstand	bei 1 MHz	5 mΩ /m	Grade 1
	bei 10 MHz	5 mΩ /m	
	bei 30 MHz	10 mΩ /m	
Kopplungsdämpfung		85 dB	Type 1
Trennklasse gem. EN 50174-2			„D“

Elektrische Daten (nominal)

gem. Cat.7 (bei 20°C)

F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return loss (dB)
1,0	1,8	104	101	102	99	105	105	-
4,0	3,4	100	97	97	94	105	102	27
10,0	5,4	100	97	95	92	97	94	30
16,0	6,8	100	97	93	90	93	90	30
20,0	7,7	100	97	92	89	91	88	30
31,2	9,6	100	97	90	87	87	84	30
62,5	13,7	100	97	86	83	81	78	30
100,0	17,4	100	97	83	80	77	74	30
125,0	19,5	95	92	75	72	75	72	26
155,5	21,9	94	91	72	69	73	70	26
175,0	23,3	93	90	70	67	72	69	25
200,0	25,0	92	89	67	64	71	68	25
250,0	28,1	90	87	62	59	69	66	24
300,0	30,9	89	86	58	55	67	64	24
450,0	38,3	87	84	48	45	64	61	23
600,0	44,8	85	82	40	37	61	58	22
750,0	52,0	83	80	31	28	59	56	21
900,0	59,4	82	79	23	20	58	55	20
1000,0	63,1	80	77	17	14	57	54	20

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Technische Angebotsdaten

Artikelnummer/ Referenz Code	Kurzbezeichnung	Produktname	Außendurchmesser mm	Euro class	Brandlast		Gewicht kg/km	Cu-Zahl	Zugkraft N
					MJ/km	kWh/m			
60011543	J-02YSCH 4x2x0,56 PiMF	UC900 SS23 Cat.7 S/FTP 4P LSHF	7,5	Eca	585	0,163	75	38	340
60015274		UC900 SS23 Cat.7 S/FTP 4P LSHF-FR		Dca					
60016082	J-02YSCH 2x(4x2x0.56) PiMF	UC900 SS23 Cat.7 S/FTP 2x4P LSHF	7,5/15,0	Eca	1170	0,326	150	76	680
60016105		UC900 SS23 Cat.7 S/FTP 2x4P LSHF-FR		Dca					

Product Code Table

Product Description	PG Reference Code	PG Part Number
UC900 SS23 C7 S/FTP 4P LSHF	60011543	60011543
UC900 SS23 C7 S/FTP 4P LSHF 100RW	60011543	60013258
UC900 SS23 C7 S/FTP 4P LSHF 250BR	60011543	60013259
UC900 SS23 C7 S/FTP 4P LSHF 250DW	60011543	60015261
UC900 SS23 C7 S/FTP 4P LSHF 500DW	60011543	60011541
UC900 SS23 C7 S/FTP 4P LSHF 1000DW	60011543	60011542
UC900 SS23 C7 S/FTP 2x4P LSHF	60016082	60016082
UC900 SS23 C7 S/FTP 2x4P LSHF 1000DW	60016082	60016086
UC900 SS23 C7 S/FTP 2x4P LSHF 250DW	60016082	60016091
UC900 SS23 C7 S/FTP 2x4P LSHF 500DW	60016082	60013232
UC900 SS23 C7 S/FTP 2x4P LSHF 100DW	60016082	60013233
UC900 SS23 C7 S/FTP 4P LSHF-FR	60015274	60015274
UC900 SS23 C7 S/FTP 4P LSHF-FR 200RW	60015274	60015277
UC900 SS23 C7 S/FTP 4P LSHF-FR 1000DW	60015274	60011123
UC900 SS23 C7 S/FTP 4P LSHF-FR 500DW	60015274	60011126
UC900 SS23 C7 S/FTP 2x4P LSHF-FR	60016105	60016105
UC900 SS23 C7 S/FTP 2x4P LSHF-FR 1000DW	60016105	60016108

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