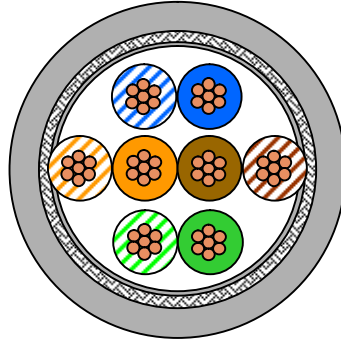


UC300 HS26 Cat.5e

SF/UTP AWG26/7 Patch Cable



Application

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

Standards

EN 50173-1; EN 50288-2-2
ISO/IEC 11801; IEC 61156-6
TIA/EIA-568-B.2

Flame resistance

LSHF(LSOH): IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	stranded bare copper wire \varnothing 0.48 mm (AWG 26/7)	
Insulation	Polyethylene, \varnothing 0.95 mm	
Twisting	2 cores to the pair	
Cable lay up	4 pairs to the core	
Screen	Al-laminated plastic foil + Copper braid, tinned	
Sheath	PVC or LSHF(FRNC)	

Mechanical properties

Bending radius	without load	≥ 25 mm
	with load	≥ 50 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

UC300 HS26 Cat.5e

Electrical properties

at 20°C ± 5°C

Loop resistance		≤ 260 Ω/km
Resistance unbalance		≤ 3%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 48 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Characteristic impedance	(1-100 MHz)	(100 ± 15) Ω
Nominal velocity of propagation		Ca. 67 %
Propagation delay		≤ 535 ns/100m
Delay skew		≤ 20 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	≤ 30 mΩ/m
	at 10 MHz	≤ 30 mΩ/m
	at 30 MHz	≤ 50 mΩ/m
Coupling attenuation		≥ 75 dB

Electrical data (nominal)

acc. to Cat.5e (at 20°C)

F (MHZ)	Attenuation (dB/10m)	NEXT (dB)	PS-NEXT (dB)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return loss (dB)
1.0	0.3	71	68	68	65	23
4.0	0.6	62	59	56	53	23
10.0	0.9	56	53	48	45	23
16.0	1.1	53	50	44	41	23
20.0	1.3	51	48	42	39	23
31.2	1.6	49	46	38	35	23
62.5	2.4	44	41	32	29	23
100.0	3.0	41	38	28	25	23
125.0	3.3	40	37	26	23	23
155.5	3.6	38	35	24	21	23
175.0	3.9	37	34	23	20	
200.0	4.1	36	33	22	19	
250.0	4.4	35	32	20	17	
300.0	4.8	34	31	16	13	

UC300 HS26 Cat.5e

Technical data

Product code	Cable type	Brand name	Colour	Outer diameter	Fire load		Weight kg/km	Copper content	Tensile force N
				mm	MJ/km	kWh/m			
1000453	Li-2Y(St)CH 4x2x0.48L LSHF	UC300 HS26 Cat.5e SF/UTP 4P LSHF	grey	5.7	369	0.103	37	22.5	100
1000450			red						
1000451			green						
1000452			blue						
1000454			yellow						
1000455			black						

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
UC300 HS26 C5e SF/UTPp 4P LSHF GY	1000453	60011598	60011598
UC300 HS26 C5e SF/UTPp 4P LSHF GY 25RW	1000453-00025RW	60011598	60015958
UC300 HS26 C5e SF/UTPp 4P LSHF GY 50RW	1000453-00050RW	60011598	60015955
UC300 HS26 C5e SF/UTPp 4P LSHF GY 100RW	1000453-00100RW	60011598	60011596
UC300 HS26 C5e SF/UTPp 4P LSHF GY 500DW	1000453-00500DW	60011598	60015948
UC300 HS26 C5e SF/UTPp 4P LSHF GY 500DP	1000453-00500DP	60011598	60015950
UC300 HS26 C5e SF/UTPp 4P LSHF GY 1000DW	1000453-01000DW	60011598	60011597
UC300 HS26 C5e SF/UTPp 4P LSHF GN	1000451	60011595	60011595
UC300 HS26 C5e SF/UTPp 4P LSHF GN 100RW	1000451-00100RW	60011595	60015925
UC300 HS26 C5e SF/UTPp 4P LSHF GN 500DW	1000451-00500DW	60011595	60015929
UC300 HS26 C5e SF/UTPp 4P LSHF GN 1000DW	1000451-01000DW	60011595	60015932
UC300 HS26 C5e SF/UTPp 4P LSHF RD	1000450	60015914	60015914
UC300 HS26 C5e SF/UTPp 4P LSHF RD 100RW	1000450-00100RW	60015914	60015915
UC300 HS26 C5e SF/UTPp 4P LSHF RD 500DW	1000450-00500DW	60015914	60015918
UC300 HS26 C5e SF/UTPp 4P LSHF RD 1000DW	1000450-01000DW	60015914	60015920
UC300 HS26 C5e SF/UTPp 4P LSHF BU	1000452	60015935	60015935
UC300 HS26 C5e SF/UTPp 4P LSHF BU 100RW	1000452-00100RW	60015935	60015938
UC300 HS26 C5e SF/UTPp 4P LSHF BU 500DW	1000452-00500DW	60015935	60015941
UC300 HS26 C5e SF/UTPp 4P LSHF BU 1000DW	1000452-01000DW	60015935	60015942
UC300 HS26 C5e SF/UTPp 4P LSHF YE	1000454	60015960	60015960
UC300 HS26 C5e SF/UTPp 4P LSHF YE 100RW	1000454-00100RW	60015960	60015963
UC300 HS26 C5e SF/UTPp 4P LSHF YE 500DW	1000454-00500DW	60015960	60015965
UC300 HS26 C5e SF/UTPp 4P LSHF YE 1000DW	1000454-01000DW	60015960	60015968
UC300 HS26 C5e SF/UTPp 4P LSHF BK	1000455	60015971	60015971
UC300 HS26 C5e SF/UTPp 4P LSHF BK 100RW	1000455-00100RW	60015971	60015973
UC300 HS26 C5e SF/UTPp 4P LSHF BK 500DW	1000455-00500DW	60015971	60015976
UC300 HS26 C5e SF/UTPp 4P LSHF BK 1000DW	1000455-01000DW	60015971	60015978
UC300 HS26 C5e SF/UTPp 4P LSHF VT	1003463	60015980	60015980
UC300 HS26 C5e SF/UTPp 4P LSHF VT 1000DW	1003463-01000DW	60015980	60015983
UC300 HS26 C5e SF/UTPp 4P PVC GY	1000241	60016540	60016540
UC300 HS26 C5e SF/UTPp 4P PVC GY 500DP	1000241-00500DP	60016540	60016542

UC300 HS26 Cat.5e

© PRYSMIAN GROUP 2010, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.