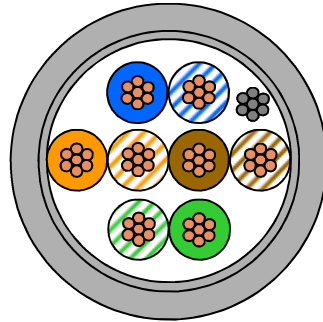


# UC300 S26 Cat.5e

## F/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

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

### Construction

Conductor	stranded bare copper wire Ø 0.48 mm (AWG 26/7)
Insulation	Polyethylene, Ø 0.95 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Screen	Al-laminated plastic foil, stranded drain wire AWG26 tinned
Sheath	PVC or LSHF(LSOH)

### Mechanical properties

Bending radius	without load	≥ 20 mm
	with load	≥ 40 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

## UC300 S26 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
Mean impedance	100 MHz	100 ± 5 Ω
Nominal velocity of propagation		Ca. 67 %
Propagation delay		≤ 535 ns/100m
Delay skew		≤ 20 ns/100m
Test voltage		1000 V
Transfer impedance	at 1 MHz	≤ 50 mΩ/m
	at 10 MHz	≤ 100 mΩ/m
	at 30 MHz	≤ 200 mΩ/m
Coupling attenuation		≥ 55 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 S26 Cat.5e

### Product order data

Product code	Cable type	Brand name	Colour	Outer diameter mm	Fire load		Weight kg/km	Copper content	Tensile force N
					MJ/km	kWh/m			
1000209 1000210 1000211 1000212 1000213 1000208	Li-2Y(St)Y 4x2x0.48L	UC300 S26 4P Patch	red 3000 green 6016 blue 5015 grey 7035 yellow 1021 black 9005	5.4	354	0.099	26	12	55
1000422 1000423 1000424 1000425 1000426 1000429	Li-2Y(St)H 4x2x0.48L LSHF	UC300 S26 4P LSHF Patch	red 3000 green 6016 blue 5015 yellow 1021 black 9005 grey 7035	5.4	344	0.096	25	12	55

## UC300 S26 Cat.5e

### Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
UC300 S26 C5e F/UTPp 4P PVC GY	1000212	60011368	<b>60011368</b>
UC300 S26 C5e F/UTPp 4P PVC GY 100RW	1000212-00100RW	60011368	<b>60015244</b>
UC300 S26 C5e F/UTPp 4P PVC GY 500DW	1000212-00500DW	60011368	<b>60011367</b>
UC300 S26 C5e F/UTPp 4P PVC GY 1000DW	1000212-01000DW	60011368	<b>60015246</b>
UC300 S26 C5e F/UTPp 4P PVC BU	1000211	60011366	<b>60011366</b>
UC300 S26 C5e F/UTPp 4P PVC RD	1000209	60015234	<b>60015234</b>
UC300 S26 C5e F/UTPp 4P LSHF GY	1000429	60011615	<b>60011615</b>
UC300 S26 C5e F/UTPp 4P LSHF GY 100RW	1000429-00100RW	60011615	<b>60011613</b>
UC300 S26 C5e F/UTPp 4P LSHF GY 500DW	1000429-00500DW	60011615	<b>60011612</b>
UC300 S26 C5e F/UTPp 4P LSHF GY 1000DW	1000429-01000DW	60011615	<b>60011614</b>
UC300 S26 C5e F/UTPp 4P LSHF GE	1000425	60011608	<b>60011608</b>
UC300 S26 C5e F/UTPp 4P LSHF GY 2500DP	1000429-02500DP	60011615	<b>60015786</b>
UC300 S26 C5e F/UTPp 4P LSHF GE 100RW	1000425-00100RW	60011608	<b>60015751</b>
UC300 S26 C5e F/UTPp 4P LSHF GE 500DW	1000425-00500DW	60011608	<b>60015754</b>
UC300 S26 C5e F/UTPp 4P LSHF GE 1000DW	1000425-01000DW	60011608	<b>60015757</b>
UC300 S26 C5e F/UTPp 4P LSHF RT	1000422	60011609	<b>60011609</b>
UC300 S26 C5e F/UTPp 4P LSHF RT 100RW	1000422-00100RW	60011609	<b>60015720</b>
UC300 S26 C5e F/UTPp 4P LSHF RT 500DW	1000422-00500DW	60011609	<b>60015723</b>
UC300 S26 C5e F/UTPp 4P LSHF RT 1000DW	1000422-01000DW	60011609	<b>60015725</b>
UC300 S26 C5e F/UTPp 4P LSHF BU	1000424	60011610	<b>60011610</b>
UC300 S26 C5e F/UTPp 4P LSHF BU100RW	1000424-00100RW	60011610	<b>60015741</b>
UC300 S26 C5e F/UTPp 4P LSHF BU 500DW	1000424-00500DW	60011610	<b>60015744</b>
UC300 S26 C5e F/UTPp 4P LSHF BU1000DW	1000424-01000DW	60011610	<b>60015745</b>
UC300 S26 C5e F/UTPp 4P LSHF GN		60011611	<b>60011611</b>
UC300 S26 C5e F/UTPp 4P LSHF GN 100RW	1000423-00100RW	60011611	<b>60015730</b>
UC300 S26 C5e F/UTPp 4P LSHF GN 500DW	1000423-00500DW	60011611	<b>60015732</b>
UC300 S26 C5e F/UTPp 4P LSHF GN 1000DW	1000423-01000DW	60011611	<b>60015735</b>
UC300 S26 C5e F/UTPp 4P LSHF BK		60015759	<b>60015759</b>
UC300 S26 C5e F/UTPp 4P LSHF BK 100RW	1000426-00100RW	60015759	<b>60015762</b>
UC300 S26 C5e F/UTPp 4P LSHF BK 500DW	1000426-00500DW	60015759	<b>60015765</b>
UC300 S26 C5e F/UTPp 4P LSHF BK 1000DW	1000426-01000DW	60015759	<b>60015767</b>
UC300 S26 C5e F/UTPp 4P LSHF OR	1000420	60015708	<b>60015708</b>
UC300 S26 C5e F/UTPp 4P LSHF OR 500DW	1000420-00500DW	60015708	<b>60015710</b>
UC300 S26 C5e F/UTPp 4P LSHF OR 1000DW	1000420-01000DW	60015708	<b>60015714</b>

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