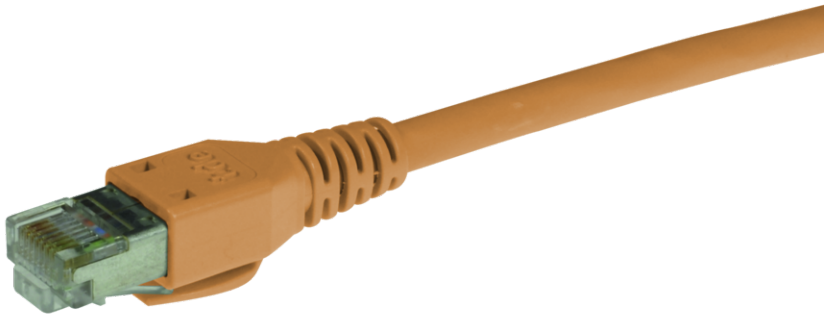
SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: orange, Length: xxxx



tde - TP cable assemblies

The tde patch and trunk cables are manufactured completely at the German facility in Ohrte. Production processes at tde meet the latest standards. The patch cables and trunk cables are manufactured in many different configurations using highly automated processes. The range of products on offer encompasses the entire spectrum of connector types available on the market. To guarantee consistently top quality, only the best components from renowned vendors are used. All tde production staff have the necessary qualifications and education, and have been well trained in using specialist technical equipment.
Each cable application is subjected to a full test procedure and a final visual inspection to ensure that only 100% error-free products are shipped to the customer.

Products made by tde perform at least internationally accepted quality standards and norms. The quality management system is ISO 9001, ISO 14001 and TL9000 certified.

RJ45 Patch cord for the employment in the distribution frame or for the connection of terminals.

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SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: orange, Length: xxxx

Technical Data

Cabletype	Draka UC300 HS26 Cat.5e
Configuration	1:1
Tests	100% electrical test on short-circuit and visual final inspection
	optional: Link Performance Tests
	QS-Managementsystem ISO 9001, ISO 14001 and TL 9000

xxxx = Length in cm

Connectors

Type	RJ45 (TM11), with integreted dwell lever protection
Shielding	shielded
Dimensions Boot	34 mm length
	13.4 mm width
Manufacturer	Hirose (connector)
	tde (boot)
QS-Management Systems Certification	ISO 9001
	ISO 14001
	TL 9000
YY - Boot color	BG - Beige
	BL - Blue
	GE - Yellow
	GN - Green
	RT - Red
	SW - Black
	WS - White

TP Cable

Construction

Conductor	stranded bare copper wire Ø 0.48 mm (AWG 26/1)
Insulation	Polyethylene, Ø 0.95 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Sreen	Al-laminated plastic foil + Copper braid, tinned
Sheath	PVC or LSHF (FRNC)

Mechanical properties

Minimum bending radius	Without load	≥ 25 mm
	With load	≥ 50 mm

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Temperature range	During operation	-20°C up to +60°C
	During installation	0°C up to +50°C

Electrical properties at 20°C ± 5°C

Loop resistance		≤ 340 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	500 V	≥ 5000 MΩkm
Mutual capacitance	at 800 Hz	Nom. 48 nF/km
Capacitance unbalance	(pair/ground)	≤ 1200 pF/km
Characteristic impedance	100 MHz	(100 ± 5) 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	ELFEXT dB/100m	PS- ELFEXT 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	

Outerdiameter	5.7 mm
Fire load	369 MJ/km
	0.103 kWh/m
Weight	37 kg/km
Copper content	22.5

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SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: orange, Length: xxxx

Tensile force	100 N

Product variants & accessories

Art.-No.	Description
SF-H5ZBL-NBLxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: blue, Length: xxxx
SF-H5ZGE-NGExxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: yellow, Length: xxxx
SF-H5ZGN-NGNxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: green, Length: xxxx
SF-H5ZGR-NGRxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: grey, Length: xxxx
SF-H5ZOR-NORxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: orange, Length: xxxx
SF-H5ZRT-NRTxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: Red, Length: xxxx
SF-H5ZSW-NSWxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: black, Length: xxxx
SF-H5ZVI-NVIxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Colour: magenta, Length: xxxx
SF-H5Zyy-Nzzxxxx	SF/UTP Patch cord RJ45/RJ45 Hirose w. tde boot Cat.5e UC300 LSHF Length: xxxx

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