DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, black

Cat.6A | 10 Gbit | 500 MHz | 100% CU | made in Europe | CE

Description

The Cat.6A RJ45 patch cable **manufactured in Europe** guarantees very good characteristics for **10 Gigabit** Ethernet applications. The patch cable is composed of the Cat.7 raw cable **CU 7702 flex** from Daetwyler and **TM31** connectors from Hirose.

Cross section 4 x 2 x AWG26/7
Mounted anti-kink grommet
Clear differentiation of the cores in the assembled connector thanks to different core colours

General data	
Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	TM31 yellow
Cable type	Dätwyler CU 7702 flex
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	black
Locking lever	yes

Mechanical characteristics	
Mating cycles	≥750
Bending radius	>20 mm
Conductive shield	360° shield contact

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Cable construction	
Raw cable	Cat.7
Cable structure	S/FTP
Cable construction	4x2
AWG-size/strands per core	26/7
Conductor Material	Copper

Cable sheath	
Jacket material	LSZH
Colour outer sheath	black
Outer diameter of the cable	5.8 mm
Flame-retardant	acc. IEC60332-1
Halogen-free	acc. IEC60754-2
Low smoke	acc. IEC61034

Environmental conditions	
Temperature Range (Operation)	-20 – 60 °C
Temperature Range (Installation)	0 – 50 °C

Electrical characteristics	
NVP value	78 %
Impedance	100 ±5 Ω
Conductor resistance DC	135 Ω/km
Loop resistance	270 Ω/km

Transmission characteristics	
Bandwidth	500MHz

Standards, approvals, certifications	
Connector	IEC 60603-7-51

Available variants

Article no.	Title	Length
K8580SW.0,50	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 0,5m, black	0.5 m
K8580SW.1	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 1m, black	1.0 m
K8580SW.2	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 2m, black	2.0 m
K8580SW.3	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 3m, black	3.0 m
K8580SW.5	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 5m, black	5.0 m

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K8580SW.7,5	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 7,5m, black	7.5 m
K8580SW.10	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 10m, black	10.0 m
K8580SW.15	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 15m, black	15.0 m
K8580SW.20	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 20m, black	20.0 m
K8580SW.25	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 25m, black	25.0 m
K8580SW.30	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, 30m, black	30.0 m

similar product	
K8580RT.1	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, red
K8580GR.1	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, grey
K8580GN.1	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, green
K8580GE.1	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, yellow
K8580BL.1	RJ45 Patch cable S/FTP, Cat.6A, TM31, Dätwyler 7702, blue

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