

EPIC® DATA RJ45

Prepare your network for the future: The ever-increasing demands for high-performance data transmission require the consistent expansion of backbone networks. The Cat.8.1-compatible RJ45 connector is suitable for high-frequency signal transmission up to 2000 MHz and for Ethernet applications up to 40GBase-T in accordance with IEEE 802.3bq.

Info

Cat.6_A acc. to ISO/IEC 11801
Colour-coded assembly aid
installation without tools



Supplementary automation components from Lapp



Mechanical and plant engineering



Wide clamping range



Mechanical resistance



Assembly time



Interference signals

Product features

Product available in different versions: Straight cable outlet with snap-in clip, straight cable outlet with strain-relieving cable gland or angled cable outlet with strain-relieving cable gland.

UL certification according to technical data enables use of the product in the North American region.

Easy cable connection thanks to insulation displacement technology.

Low potential for errors during assembly thanks to core manager with colour coding according to PROFINET standard or EIA/TIA standard (T568A or T568B).

Colour coding according to EIA/TIA standard also for reduced wire diameters.

The angled shape enables four different cable outlets.

Last Update (05.01.2025)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Stability thanks to die-cast zinc metal housing.

Norm references / Approvals

T568A/T568B colour coding for Cat.6A cables or Cat.8.1/8.2 cables.

Suitable for all LAN networks and Ethernet applications up to 10GBase-T or 40GBase-T.

Cat.8.1-Steckverbinder are suitable for use in Backbone-Netzwerkbereichen.

Suitable for structured building cabling in accordance with EN 50173 and ISO/IEC 11801.

Cat.8.1-Steckverbinder are suitable for short transmission distances of up to 30 m, such as those found in data centres, server rooms or for switch-to-switch connections.

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001121 ETIM 5.0 Class-Description: Modular connector
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001121 ETIM 6.0 Class-Description: Modular connector
Protection rating:	IP 20
Ambient temperature (operation):	-40°C to +85°C

Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

An approval is necessary for 19-wire cables by Lapp Group

Approved cables: 2170289, 2170489 ETHERLINE® Cat.5e FD; CE217489 ETHERLINE® Cat.5 FD BK; 2170488 ETHERLINE® Cat.6 FD, Freigegebene Leitungen: 2170489 ETHERLINE® Cat.5e FD; CE217489 ETHERLINE® Cat.5 FD BK; 2170488 ETHERLINE® Cat.6 FD, 2170888 ETHERLINE® TORSION CAT5

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Article number	Design	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. core diameter including insulation	AWG solid	AWG 7-wire	AWG 19-wire
Cat.8.1									
381166931	Straight, screwed	Cat.8.1	5.5	10	1	1.6	24-22	27-22	-
Cat.8.1									
381166930	Straight, screwed	Cat.8.1	5.5	10	0.85	1.1	26-24	27-24	-
PROFINET colour-coding (2-pairs)									
21700605	Straight, latched	ED-IE-AX-5-PN-20-FC	5	9	1	1.6	24 - 22	27 - 22	22*
21700651	Straight, screwed	ED-IE-AXS-5-PN-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	22*
21700638	Angled, screwed	ED-IE-90-6A-PN-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	22*
colour-coded acc. to EIA/TIA 568A									
21700600	Straight, latched	ED-IE-AX-6A-A-20-FC	5	9	1	1.6	24 - 22	27 - 22	-
21700652	Straight, screwed	ED-IE-AXS-6A-A-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	-
21700636	Angled, screwed	ED-IE-90-6A-A-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	-
colour-coded acc. to EIA/TIA 568B									
21700601	Straight, latched	ED-IE-AX-6A-B-20-FC	5	9	1	1.6	24 - 22	27 - 22	-
21700653	Straight, screwed	ED-IE-AXS-6A-B-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	-
21700637	Angled, screwed	ED-IE-90-6A-B-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	-
colour-coded acc. to EIA/TIA 568A for small wire diameters									
21700615	Straight, latched	ED-IE-AX-6 _A -A-20-FD-FC	5	9	0.85	1.1	26 - 24	27 - 24	26*
21700654	Straight, screwed	ED-IE-AXS-6A-A-20-FD-FC	5.5	10	0.85	1.1	26 - 24	27 - 24	26*
21700639	Angled, screwed	ED-IE-90-6A-A-20-FD-FC	5.5	10	0.85	1.1	26 - 24	27 - 24	26*
colour-coded acc. to EIA/TIA 568B for small wire diameters									
21700616	Straight, latched	ED-IE-AX-6 _A -B-20-FD-FC	5	9	0.85	1.1	26 - 24	27 - 24	26*

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Article number	Design	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. core diameter including insulation	AWG solid	AWG 7-wire	AWG 19-wire
21700655	Straight, screwed	-	5.5	10	0.85	1.1	26 - 24	27 - 24	26*
21700640	Angled, screwed	ED-IE-90-6A-B-20-FD-FC	5.5	10	0.85	1.1	26 - 24	27 - 24	26*