

IE-5-M12D-S-20-P-2-26-7-M12D-S**Article No.:** 2171102

Pre-assembled Ethernet cable; Fixed Installation, Flexible; ETHERNET/IP, EtherCAT, Ethernet; Cat.5e; SF/UTP; Polyurethane; 2x2; M 12 (D-coded), Plug, Straight (180 °); M 12 (D-coded), Plug, Straight (180 °); 20 m



Details

Benefits

- Fast information exchange through Ethernet technology.
- Cat. 5e performance up to 100 Mbit/s.
- For transmission of analog and digital signals in the frequency range up to 100 MHz.
- Available as a one-sided power cable assembly for flexible selection of the cable length and free choice of further connection.
- Also available as a cable assembled on both sides to save time during installation.
- Available with RJ45 or M12 connector. The narrow RJ45 connector allows use in devices with very high port density, whereas the M12 connector's integrated vibration protection is useful in applications with shock and vibration.
- Durable, resistant product thanks to the outer jacket PUR material that is resistant to abrasions, notches and cuts.
- Ideal protection against electromagnetic interference thanks to double shielding made of aluminum-laminated foil and copper shielding braiding with high degree of coverage (SF/UTP).

Application

- For structured building cabling according to EN 50173 and ISO/IEC 11801.

- Especially for environments where electromagnetic compatibility (EMC) is required.
- Also suitable for EtherCAT and EtherNET/IP applications.
- For fixed installation and occasional flexing.
- Can be used in dry and damp rooms.
- The PUR outer jacket and connectors withstand high mechanical stresses.
- The PUR outer jacket is resistant to mineral oil-based lubricants and highly resistant to chemicals.

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

Brand	ETHERLINE®
Product type	Pre-assembled Ethernet cable
Length	20 m
Copper index	0.27 lb/pce
Delivery Unit	1
Connector 1	M 12; Plug; Straight; D-coded; Number of contacts: 4
Connector 2	M 12; Plug; Straight; D-coded; Number of contacts: 4
valid Fieldbus or Ethernet System	EtherCAT Ethernet ETHERNET/IP

Electrical parameters

Product design

Cable dimension	4X
Number of cores	4
Shielded	Yes
Base material of outer sheath, shortname	PUR
Outer jacket color	blue

Product features

Application area	Flexible
Min. number of insertion cycles	100 / 100
IP protection rating	IP 67 IP 69
Suitable for EX-applications	No
Installation temperature min.	-30 °C
Max. assembly temperature	80 °C
Ethernet cable category	Cat.5e

Certifications and standards

CE marking	Yes
EAC certified	Not required
EAC certification number	Отказное письмо № 40
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	No
Product standard according to IEC	M12 according to IEC 61076-2-101
DNV-certified	No
Ecolab certified	No

ETHERLINE® Flex P Cat.5e patchcords

Article No.	Name	Connector 1	Connector 2	Length
2171097	IE-5-M12D-S-1-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	1 m
2171098	IE-5-M12D-S-2-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	2 m
2171099	IE-5-M12D-S-3-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	3 m
2171100	IE-5-M12D-S-5-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	5 m
2171101	IE-5-M12D-S-10-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	10 m
2171102	IE-5-M12D-S-20-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	20 m
2171103	IE-5-M12D-S-1-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	1 m
2171104	IE-5-M12D-S-2-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	2 m
2171105	IE-5-M12D-S-3-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	3 m
2171106	IE-5-M12D-S-5-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	5 m
2171107	IE-5-M12D-S-10-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	10 m
2171108	IE-5-M12D-S-20-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	20 m
2171109	IE-5-M12D-S-1-P-2-26-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171110	IE-5-M12D-S-2-P-2-26-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171111	IE-5-M12D-S-3-P-2-26-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171112	IE-5-M12D-S-5-P-2-26-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171113	IE-5-M12D-S-10-P-2-26-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	10 m
2171114	IE-5-M12D-S-20-P-2-26-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171115	IE-5-RJ45-1-P-2-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171116	IE-5-RJ45-2-P-2-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171117	IE-5-RJ45-3-P-2-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171118	IE-5-RJ45-5-P-2-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171119	IE-5-RJ45-10-P-2-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	10 m
2171120	IE-5-RJ45-20-P-2-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171123	IE-5-M12D-S-0,5-P-2-26-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171124	IE-5-RJ45-0,5-P-2-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171887	IE-5-M12D-A-1-P-2-26-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171888	IE-5-M12D-A-2-P-2-26-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171890	IE-5-M12D-A-5-P-2-26-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171892	IE-5-M12D-A-10-P-2-26-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	10 m

Article No.	Name	Connector 1	Connector 2	Length
2171894	IE-5-M12D-A-20-P-2-26-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171979	IE-5-M12D-S-0,5-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	0.5 m
2171981	IE-5-M12D-S-0,5-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	0.5 m
2171985	IE-5-M12D-S-7,5-P-2-26-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	7.5 m
2171994	IE-5-M12D-S-7,5-P-2-26-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	7.5 m

V1.1