

**IE-6A-M12X-S-7-P-4-26-7-M12X-S****Article No.:** 2172331

Pre-assembled Ethernet cable; Flexible; ETHERNET/IP, EtherCAT; Cat.6A; S/FTP; Polyurethane; 4x2; M 12 (X-coded), Plug, Straight (180 °); M 12 (X-coded), Plug, Straight (180 °); 7 m



## Details

### Benefits

- Cable assembled on one or both sides saves time during installation and reduces or eliminates the potential for errors during on-site assembly.
- Rapid information exchange at up to 10 Gbit/s over 60 m (196.86 ft) thanks to Cat. 6A Ethernet.
- 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.
- Ideal protection against electromagnetic interference due to pair shielding with aluminum compound foil and copper shielding braiding as overall shielding (S/FTP).
- Halogen free conductor insulation and jacket compound to meet special fire safety requirements.

### Application

- For structured building cabling according to EN 50173 and ISO/IEC 11801.
- Also suitable for EtherCAT and EtherNET/IP applications.
- Can be used in conformity with standards in buses (fire behavior test according to UNECE-R 118 for vehicles of class M3 (II and III)).

- Can be used in dry, damp and, especially, harsh and oily environments.
- 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	7 m
Copper index	0.43 lb/pce
Delivery Unit	1
Connector 1	M 12; Plug; Straight; X-coded; Number of contacts: 8
Connector 2	M 12; Plug; Straight; X-coded; Number of contacts: 8
valid Fieldbus or Ethernet System	Ethernet EtherCAT ETHERNET/IP
Industry segment	Healthcare & Pharma Packaging

#### Electrical parameters

#### Product design

Cable dimension	8X
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Number of cores	8
Shielded	Yes
Overall height	0.591 in
Base material of outer sheath, shortname	PUR
Outer jacket color	green

**Product features**

Application area	Flexible
Min. number of insertion cycles	100 / 100
IP protection rating	IP 65 IP 67
Suitable for EX-applications	No
Ethernet cable category	Cat.6A

**Certifications and standards**

CE marking	Yes
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 61076-2-109 IEC 11801-1
DNV-certified	No
Resistance to flame propagation tested according to UN/ECE-R118	Yes
Ecolab certified	No

**ETHERLINE® FLEX Cat.6A patchcords**

Article No.	Name	Connector 1	Connector 2	Length
2172317	IE-6A-M12X-S-0,5-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	0.5 m
2172318	IE-6A-M12X-S-1-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	1 m
2172319	IE-6A-M12X-S-2-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	2 m
2172320	IE-6A-M12X-S-3-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	3 m
2172321	IE-6A-M12X-S-5-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	5 m
2172322	IE-6A-M12X-S-7-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	7 m
2172323	IE-6A-M12X-S-10-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	10 m
2172325	IE-6A-M12X-S-20-P-4-26-7-OE	M 12; Plug; Straight; X-coded; Number of contacts: 8	Open end	20 m
2172326	IE-6A-M12X-S-0,5-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	0.5 m
2172327	IE-6A-M12X-S-1-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	1 m
2172328	IE-6A-M12X-S-2-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	2 m
2172329	IE-6A-M12X-S-3-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	3 m
2172330	IE-6A-M12X-S-5-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	5 m
2172331	IE-6A-M12X-S-7-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	7 m
2172332	IE-6A-M12X-S-10-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	10 m
2172333	IE-6A-M12X-S-15-P-4-26-7-M12X-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Plug; Straight; X-coded; Number of contacts: 8	15 m
2172335	IE-6A-M12X-S-0,5-P-4-26-7-M12XF-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	0.5 m
2172336	IE-6A-M12X-S-1-P-4-26-7-M12XF-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	1 m
2172337	IE-6A-M12X-S-2-P-4-26-7-M12XF-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	2 m
2172338	IE-6A-M12X-S-3-P-4-26-7-M12XF-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	3 m
2172339	IE-6A-M12X-S-5-P-4-26-7-M12XF-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	5 m
2172341	IE-6A-M12X-S-10-P-4-26-7-M12XF-S	M 12; Plug; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	10 m
2172344	IE-6A-M12XF-S-0,5-P-4-26-7-M12XF-S	M 12; Socket; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	0.5 m
2172345	IE-6A-M12XF-S-1-P-4-26-7-M12XF-S	M 12; Socket; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	1 m
2172346	IE-6A-M12XF-S-2-P-4-26-7-M12XF-S	M 12; Socket; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	2 m
2172348	IE-6A-M12XF-S-5-P-4-26-7-M12XF-S	M 12; Socket; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	5 m
2172349	IE-6A-M12XF-S-7-P-4-26-7-M12XF-S	M 12; Socket; Straight; X-coded; Number of contacts: 8	M 12; Socket; Straight; X-coded; Number of contacts: 8	7 m
2172354	IE-6A-M12XF-S-1-P-4-26-7-OE	M 12; Socket; Straight; X-coded; Number of contacts: 8	Open end	1 m
2172355	IE-6A-M12XF-S-2-P-4-26-7-OE	M 12; Socket; Straight; X-coded; Number of contacts: 8	Open end	2 m
2172356	IE-6A-M12XF-S-3-P-4-26-7-OE	M 12; Socket; Straight; X-coded; Number of contacts: 8	Open end	3 m

Article No.	Name	Connector 1	Connector 2	Length
2172357	IE-6A-M12XF-S-5-P-4-26-7-OE	M 12; Socket; Straight; X-coded; Number of contacts: 8	Open end	5 m
2172359	IE-6A-M12XF-S-10-P-4-26-7-OE	M 12; Socket; Straight; X-coded; Number of contacts: 8	Open end	10 m
2172361	IE-6A-M12XF-S-20-P-4-26-7-OE	M 12; Socket; Straight; X-coded; Number of contacts: 8	Open end	20 m
2172362	IE-6A-RJ45-0,5-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2172363	IE-6A-RJ45-1-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	1 m
2172364	IE-6A-RJ45-2-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	2 m
2172365	IE-6A-RJ45-3-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	3 m
2172366	IE-6A-RJ45-5-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	5 m
2172367	IE-6A-RJ45-7-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	7 m
2172368	IE-6A-RJ45-10-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	10 m
2172369	IE-6A-RJ45-15-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	15 m
2172370	IE-6A-RJ45-20-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	20 m
2172371	IE-6A-RJ45-0,5-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	0.5 m
2172372	IE-6A-RJ45-1-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	1 m
2172373	IE-6A-RJ45-2-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	2 m
2172374	IE-6A-RJ45-3-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	3 m
2172375	IE-6A-RJ45-5-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	5 m
2172376	IE-6A-RJ45-7-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	7 m
2172377	IE-6A-RJ45-10-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	10 m
2172378	IE-6A-RJ45-15-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	15 m
2172379	IE-6A-RJ45-20-P-4-26-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	20 m
2172380	IE-6A-M12X-S-0,5-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2172381	IE-6A-M12X-S-1-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	1 m
2172382	IE-6A-M12X-S-2-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	2 m
2172383	IE-6A-M12X-S-3-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	3 m
2172384	IE-6A-M12X-S-5-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	5 m
2172385	IE-6A-M12X-S-7-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	7 m
2172386	IE-6A-M12X-S-10-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	10 m
2172387	IE-6A-M12X-S-15-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	15 m
2172388	IE-6A-M12X-S-20-P-4-26-7-RJ45	M 12; Plug; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	20 m

Article No.	Name	Connector 1	Connector 2	Length
2172389	IE-6A-M12XF-S-0,5-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2172390	IE-6A-M12XF-S-1-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	1 m
2172391	IE-6A-M12XF-S-2-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	2 m
2172392	IE-6A-M12XF-S-3-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	3 m
2172393	IE-6A-M12XF-S-5-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	5 m
2172394	IE-6A-M12XF-S-7-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	7 m
2172395	IE-6A-M12XF-S-10-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	10 m
2172396	IE-6A-M12XF-S-15-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	15 m
2172397	IE-6A-M12XF-S-20-P-4-26-7-RJ45	M 12; Socket; Straight; X-coded; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	20 m
2172398	IE-6A-RJ45-1,5-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	1.5 m
2172399	IE-6A-RJ45-2,5-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	2.5 m
2172400	IE-6A-RJ45-3,5-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	3.5 m
2172403	IE-6A-RJ45-0,3-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	0.3 m
2172404	IE-6A-RJ45-30-P-4-26-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	30 m

V1.1