

IE-6A-M12X-S-3-P-4-26-7-M12X-S
Article No.: 2172329

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 °); 3 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 | 3 m |
| Copper index | 0.19 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 |
|-----------------|----|

| | |
|--|----------|
| 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