

IE-PNB-5-M12D-A-1-Y-2-22-7-RJ45**Article No.:** 2171222

Pre-assembled Ethernet cable; Flexible, Fixed Installation; PROFINET, ETHERNET/IP, Ethernet; PROFINET® application: Type B; Cat.5e; SF/UTP; Polyvinylchloride; 2x2; RJ45, Plug, Straight (180 °); M 12 (D-coded), Plug, Angled (90 °); 1 m



Details

Benefits

- Available as a one-sided power cable assembly for flexible selection of the cable length and free choice of further connection.
- UL certification according to technical data enables the product to be used on the North American market.
- Also available as a cable assembled on both sides to save time during installation.
- Fast information exchange through Ethernet technology.
- Cat. 5 performance up to 100 Mbit/s.
- High resistance to electromagnetic interference thanks to star quad design as well as double shielding made of aluminum-laminated foil and high degree of copper shielding braiding (SF/UTP).
- The integrated vibration protection of the connector makes it resistant to shocks and vibrations.
- The angled shape of the connector is suitable for a space-saving cable outlet.
- Also available with pre-assembled flange coupling for easy guidance through control cabinet walls.
- Tested resistance to ECOLAB® disinfectants and cleaning agents (only applies to the cable).

Application

- For flexible use in the PROFINET network (type B), due to stranded conductor design.
- Also suitable for EtherCAT and EtherNET/IP applications.
- Suitable for medium mechanical stress.
- Can be used in dry and damp rooms.
- The PVC outer jacket is resistant to acids and alkaline solutions and has limited oil resistance.

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	1 m
Copper index	0.07 lb/pce
Delivery Unit	1
Connector 1	M 12; Plug; Angled; D-coded; Number of contacts: 4
Connector 2	RJ45; Plug; Straight; Number of contacts: 8
valid Fieldbus or Ethernet System	PROFINET Ethernet EtherCAT ETHERNET/IP

Electrical parameters

Product design

Cable dimension	4X
Number of cores	4
Shielded	Yes
Base material of outer sheath, shortname	PVC

Product features

Application area	Flexible
PROFINET® application	Type B
Min. number of insertion cycles	100 / 750
IP protection rating	IP 20
	IP 67
	IP 69
Suitable for EX-applications	No
Installation temperature min.	-40 °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	Yes
UL certification	according to UL 2238 (e-file number: E249137)
cUR recognized	No
cUL listed	Yes
cUL certification	according to CSA C22.2 No. 182.3 (e-file number: E249137)
CSA certified	No
VDE certified	No
Product standard according to IEC	M12 according to IEC 61076-2-101 RJ45 according to IEC 60603-7-51

DNV-certified	No
Ecolab certified	No

ETHERLINE® PN Flex Cat.5 patchcords

Article No.	Name	Connector 1	Connector 2	Length
2171025	IE-PNB-5-M12D-S-1-Y-2-22-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	1 m
2171026	IE-PNB-5-M12D-S-2-Y-2-22-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	2 m
2171027	IE-PNB-5-M12D-S-3-Y-2-22-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	3 m
2171028	IE-PNB-5-M12D-S-5-Y-2-22-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	5 m
2171029	IE-PNB-5-M12D-S-10-Y-2-22-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	10 m
2171030	IE-PNB-5-M12D-S-20-Y-2-22-7-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	20 m
2171031	IE-PNB-5-M12D-S-1-Y-2-22-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	1 m
2171032	IE-PNB-5-M12D-S-2-Y-2-22-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	2 m
2171033	IE-PNB-5-M12D-S-3-Y-2-22-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	3 m
2171034	IE-PNB-5-M12D-S-5-Y-2-22-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	5 m
2171035	IE-PNB-5-M12D-S-10-Y-2-22-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	10 m
2171036	IE-PNB-5-M12D-S-20-Y-2-22-7-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	20 m
2171037	IE-PNB-5-M12D-A-1-Y-2-22-7-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	1 m
2171038	IE-PNB-5-M12D-A-2-Y-2-22-7-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	2 m
2171039	IE-PNB-5-M12D-A-3-Y-2-22-7-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	3 m
2171040	IE-PNB-5-M12D-A-5-Y-2-22-7-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	5 m
2171041	IE-PNB-5-M12D-A-10-Y-2-22-7-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	10 m
2171042	IE-PNB-5-M12D-A-20-Y-2-22-7-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	20 m
2171043	IE-PNB-5-M12D-A-1-Y-2-22-7-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	1 m
2171044	IE-PNB-5-M12D-A-2-Y-2-22-7-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	2 m
2171045	IE-PNB-5-M12D-A-3-Y-2-22-7-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	3 m
2171046	IE-PNB-5-M12D-A-5-Y-2-22-7-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	5 m
2171047	IE-PNB-5-M12D-A-10-Y-2-22-7-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	10 m
2171048	IE-PNB-5-M12D-A-20-Y-2-22-7-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	20 m
2171214	IE-PNB-5-M12D-S-0,5-Y-2-22-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171215	IE-PNB-5-M12D-S-1-Y-2-22-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171216	IE-PNB-5-M12D-S-2-Y-2-22-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171217	IE-PNB-5-M12D-S-3-Y-2-22-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171218	IE-PNB-5-M12D-S-5-Y-2-22-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171219	IE-PNB-5IE-PNB-5-M12D-S-10-Y-2-22-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	10 m

Article No.	Name	Connector 1	Connector 2	Length
2171220	IE-PNB-5-M12D-S-20-Y-2-22-7-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171221	IE-PNB-5-M12D-A-0,5-Y-2-22-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171222	IE-PNB-5-M12D-A-1-Y-2-22-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171223	IE-PNB-5-M12D-A-2-Y-2-22-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171224	IE-PNB-5-M12D-A-3-Y-2-22-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171225	IE-PNB-5-M12D-A-5-Y-2-22-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171226	IE-PNB-5-M12D-A-10-Y-2-22-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	10 m
2171227	IE-PNB-5-M12D-A-20-Y-2-22-7-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171228	IE-PNB-5-RJ45-0,5-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171229	IE-PNB-5-RJ45-1-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171230	IE-PNB-5-RJ45-2-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171231	IE-PNB-5-RJ45-3-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171232	IE-PNB-5-RJ45-5-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171233	IE-PNB-5-RJ45-10-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	10 m
2171234	IE-PNB-5-RJ45-20-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171235	IE-PNB-5-RJ45-0,5-Y-2-22-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	0.5 m
2171236	IE-PNB-5-RJ45-1-Y-2-22-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	1 m
2171237	IE-PNB-5-RJ45-2-Y-2-22-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	2 m
2171238	IE-PNB-5-RJ45-3-Y-2-22-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	3 m
2171239	IE-PNB-5-RJ45-5-Y-2-22-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	5 m
2171240	IE-PNB-5-RJ45-10-Y-2-22-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	10 m
2171241	IE-PNB-5-RJ45-20-Y-2-22-7-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	20 m
2171293	IE-PNB-5-M12DF-S-0,5-Y-2-22-7-RJ45	M 12; Socket; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171294	IE-PNB-5-M12DF-S-1-Y-2-22-7-RJ45	M 12; Socket; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171295	IE-PNB-5-M12DF-S-2-Y-2-22-7-RJ45	M 12; Socket; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171296	IE-PNB-5-M12DF-S-3-Y-2-22-7-RJ45	M 12; Socket; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171297	IE-PNB-5-M12DF-S-5-Y-2-22-7-RJ45	M 12; Socket; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	5 m
2172192	IE-PNB-5-M12D-S-0,5-Y-2-22-7-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
2172193	IE-PNB-5-M12D-S-7,5-Y-2-22-7-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
2172196	IE-PNB-5-M12D-A-0,5-Y-2-22-7-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	0.5 m

Article No.	Name	Connector 1	Connector 2	Length
2173139	IE-PNB-5-RJ45-7-Y-2-22-7-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	7 m

V1.1