

IE-PNA-5-M12D-A-20-Y-2-22-1-M12D-S
Article No.: 2171018

Pre-assembled Ethernet cable; Fixed Installation; PROFINET, ETHERNET/IP; PROFINET® application: Type A; Cat.5e; SF/UTP; Polyvinylchloride; 2x2; M 12 (D-coded), Plug, Straight (180 °); M 12 (D-coded), Plug, Angled (90 °); 20 m



Details

Benefits

- 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.
- 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.
- UL certification according to technical data enables the product to be used on the North American market.

Application

- For fixed installation in the PROFINET network (type A), due to solid 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

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.

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.

Remarks

Technical Data

General information

Brand	ETHERLINE®
Product type	Pre-assembled Ethernet cable
Length	20 m
Copper index	1.34 lb/pce
Delivery Unit	1
Connector 1	M 12; Plug; Angled; D-coded; Number of contacts: 4
Connector 2	M 12; Plug; Straight; D-coded; Number of contacts: 4
valid Fieldbus or Ethernet System	PROFINET Ethernet EtherCAT ETHERNET/IP
Industry segment	Agricultural & Farm Machinery Lifts & Elevators Packaging Robotics

Electrical parameters
Product design

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

Product features

Application area	Fixed Installation
PROFINET® application	Type A
Min. number of insertion cycles	100 / 100
IP protection rating	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
DNV-certified	No
Ecolab certified	No

ETHERLINE® PN Cat.5 Patchcords

Article No.	Name	Connector 1	Connector 2	Length
2171001	IE-PNA-5-M12D-S-1-Y-2-22-1-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	1 m
2171002	IE-PNA-5-M12D-S-2-Y-2-22-1-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	2 m
2171003	IE-PNA-5-M12D-S-3-Y-2-22-1-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	3 m
2171004	IE-PNA-5-M12D-S-5-Y-2-22-1-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	5 m
2171005	IE-PNA-5-M12D-S-10-Y-2-22-1-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	10 m
2171006	IE-PNA-5-M12D-S-20-Y-2-22-1-M12D-S	M 12; Plug; Straight; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	20 m
2171008	IE-PNA-5-M12D-S-2-Y-2-22-1-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	2 m
2171009	IE-PNA-5-M12D-S-3-Y-2-22-1-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	3 m
2171010	IE-PNA-5-M12D-S-5-Y-2-22-1-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	5 m
2171011	IE-PNA-5-M12D-S-10-Y-2-22-1-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	10 m
2171012	IE-PNA-5-M12D-S-20-Y-2-22-1-OE	M 12; Plug; Straight; D-coded; Number of contacts: 4	Open end	20 m
2171013	IE-PNA-5-M12D-A-1-Y-2-22-1-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	1 m
2171014	IE-PNA-5-M12D-A-2-Y-2-22-1-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	2 m
2171015	IE-PNA-5-M12D-A-3-Y-2-22-1-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	3 m
2171016	IE-PNA-5-M12D-A-5-Y-2-22-1-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	5 m
2171017	IE-PNA-5-M12D-A-10-Y-2-22-1-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	10 m
2171018	IE-PNA-5-M12D-A-20-Y-2-22-1-M12D-S	M 12; Plug; Angled; D-coded; Number of contacts: 4	M 12; Plug; Straight; D-coded; Number of contacts: 4	20 m
2171019	IE-PNA-5-M12D-A-1-Y-2-22-1-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	1 m
2171020	IE-PNA-5-M12D-A-2-Y-2-22-1-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	2 m
2171021	IE-PNA-5-M12D-A-3-Y-2-22-1-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	3 m
2171022	IE-PNA-5-M12D-A-5-Y-2-22-1-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	5 m
2171023	IE-PNA-5-M12D-A-10-Y-2-22-1-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	10 m
2171024	IE-PNA-5-M12D-A-20-Y-2-22-1-OE	M 12; Plug; Angled; D-coded; Number of contacts: 4	Open end	20 m
2171164	IE-PNA-5-M12D-S-0,5-Y-2-22-1-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171165	IE-PNA-5-M12D-S-1-Y-2-22-1-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171166	IE-PNA-5-M12D-S-2-Y-2-22-1-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171167	IE-PNA-5-M12D-S-3-Y-2-22-1-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171168	IE-PNA-5-M12D-S-5-Y-2-22-1-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171169	IE-PNA-5-M12D-S-10-Y-2-22-1-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	10 m
2171170	IE-PNA-5-M12D-S-20-Y-2-22-1-RJ45	M 12; Plug; Straight; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	20 m

Article No.	Name	Connector 1	Connector 2	Length
2171171	IE-PNA-5-M12D-A-0,5-Y-2-22-1-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171172	IE-PNA-5-M12D-A-1-Y-2-22-1-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171173	IE-PNA-5-M12D-A-2-Y-2-22-1-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171174	IE-PNA-5-M12D-A-3-Y-2-22-1-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171175	IE-PNA-5-M12D-A-5-Y-2-22-1-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171176	IE-PNA-5-M12D-A-10-Y-2-22-1-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	10 m
2171177	IE-PNA-5-M12D-A-20-Y-2-22-1-RJ45	M 12; Plug; Angled; D-coded; Number of contacts: 4	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171178	IE-PNA-5-RJ45-0,5-Y-2-22-1-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	0.5 m
2171179	IE-PNA-5-RJ45-1-Y-2-22-1-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	1 m
2171180	IE-PNA-5-RJ45-2-Y-2-22-1-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	2 m
2171181	IE-PNA-5-RJ45-3-Y-2-22-1-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	3 m
2171182	IE-PNA-5-RJ45-5-Y-2-22-1-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	5 m
2171183	IE-PNA-5-RJ45-10-Y-2-22-1-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	10 m
2171184	IE-PNA-5-RJ45-20-Y-2-22-1-RJ45	RJ45; Plug; Straight; Number of contacts: 8	RJ45; Plug; Straight; Number of contacts: 8	20 m
2171186	IE-PNA-5-RJ45-1-Y-2-22-1-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	1 m
2171187	IE-PNA-5-RJ45-2-Y-2-22-1-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	2 m
2171189	IE-PNA-5-RJ45-5-Y-2-22-1-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	5 m
2171190	IE-PNA-5-RJ45-10-Y-2-22-1-OE	RJ45; Plug; Straight; Number of contacts: 8	Open end	10 m
2172184	IE-PNA-5-M12D-S-0,5-Y-2-22-1-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
2172188	IE-PNA-5-M12D-A-0,5-Y-2-22-1-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

V1.1