

product type designation

product description

IE TP Cord RJ45/RJ45, 4x2

Patch cable, preferred length, preassembled with two RJ45 connectors (10/100/1000/10000MB)

Industrial Ethernet TP Cord RJ45/RJ45, CAT 6A, TP cable 4x2, pre-assembled with 2 RJ45 connectors, length 1 m.



suitability for use
cable designation
wire length

Easy connection of terminal devices to the IE FC cabling system
LI 02YSCH 4x2x0,15 PIMF GN FRNC
1 m

electrical data

number of electrical connections	2
attenuation factor per length	
• at 10 MHz / maximum	0.086 dB/m
• at 100 MHz / maximum	0.28 dB/m
• at 300 MHz / maximum	0.501 dB/m
• at 600 MHz / maximum	0.735 dB/m
impedance	
• at 1 MHz ... 100 MHz	100 Ω
• at 10 MHz ... 600 MHz	100 Ω
relative symmetrical tolerance	
• of the characteristic impedance at 1 MHz ... 100 MHz	15 %
• of the characteristic impedance at 10 MHz ... 600 MHz	10 %
coupling loss / at 30 MHz ... 100 MHz / minimum	70 dB
transfer impedance per length / at 10 MHz	10 mΩ/m
loop resistance per length / maximum	290 mΩ/m
insulation resistance coefficient	500 GΩ·m
operating voltage	
• RMS value	80 V
NVP value in percent	80 %

mechanical data

number of electrical cores	8
design of the shield	Overlapped aluminum-clad foil, sheathed in a braided screen of tinned copper wires
core diameter	
• of AWG26 insulated conductor	0.5 mm
outer diameter	
• of inner conductor	0.5 mm
• of the wire insulation	1 mm
• of cable sheath	6.2 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
material	
• of the wire insulation	polyethylene (PE)

<ul style="list-style-type: none"> ● of cable sheath 	FRNC
color <ul style="list-style-type: none"> ● of the insulation of data wires ● of cable sheath 	white/blue, white/orange, white/green, white/brown green
bending radius <ul style="list-style-type: none"> ● with single bend / minimum permissible ● with multiple bends / minimum permissible 	31 mm 43.5 mm
weight per length	50 kg/km
ambient conditions	
ambient temperature <ul style="list-style-type: none"> ● during operation ● during storage ● during transport ● during installation ● note 	-25 ... +80 °C -25 ... +80 °C -25 ... +80 °C -25 ... +80 °C In fixed installation -40 °C to 80 °C
fire behavior	flame resistant according to IEC 60332-1-2, smoke density according to IEC 61034
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance <ul style="list-style-type: none"> ● to mineral oil ● to grease 	oil resistant according to IEC 60811-2-1 (4 h / 70°C) Conditional resistance
radiological resistance / to UV radiation	not resistant
protection class IP	IP20
product features, product functions, product components / general	
product feature <ul style="list-style-type: none"> ● halogen-free ● silicon-free 	Yes Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	No
UL/ETL style / 600 V Rating	Yes; E130266 AWM STYLE 21279
certificate of suitability <ul style="list-style-type: none"> ● EAC approval ● UL approval ● RoHS conformity 	Yes Yes Yes
standard for structured cabling	Cat6A
Marine classification association <ul style="list-style-type: none"> ● American Bureau of Shipping Europe Ltd. (ABS) ● French marine classification society (BV) ● Det Norske Veritas (DNV) ● Germanische Lloyd (GL) ● Lloyds Register of Shipping (LRS) ● Nippon Kaiji Kyokai (NK) ● Polski Rejestr Statkow (PRS) 	No No No No No No No
reference code <ul style="list-style-type: none"> ● according to IEC 81346-2 ● according to IEC 81346-2:2019 	WG WGB