



SIMATIC NET,
 ECOFAST FIBER OPTIC HYBRID CABLE DESINA
 COMPLIANT,
 TRAILING TYPE CABLE WITH TWO PLASTIC FO C. AND 4
 COPPER CONDUCTORS 1.5 SQMM,
 SOLD BY THE METER,
 MIN. ORDER QUANTITY: 5000 M

Acceptability for application

DESINA-compliant devices (e.g. for ET 200X), construction of optical PROFIBUS DP networks indoors

Cable designation

I-(ZN)V4Y11Y 2P 980/1000 + 4x1.5

Electrical data

Operating voltage / RMS value	100 V
Conductor cross section / of the power wires	1.5 mm ²
Continuous current / of the power wires	12 A

Optical data

Damping ratio per length / at 660 nm / maximum	280 dB/km
Bandwidth length product / at 650 nm	10 GHz·m

Mechanical data

Number of fibers / per FOC core	1
Number of FOC cores / per FOC cable	2
Version of the FO conductor fiber	Step index fiber 980/1000 μm
Design of the fiber-optic cable	Segmentable
Number of electrical wires	4
Outer diameter	
• of optical fibers	980 μm
• of the optical fiber sheath	1000 μm
• of the FOC core sheath	2.2 mm
Outer diameter / of the cable	10.6 mm

Material	
<ul style="list-style-type: none"> • of the fiber-optic cable core • of the optical fiber sheath • of the FOC core sheath • of the fiber-optic cable sheath 	Polymethyl methacrylate (PMMA) Fluoridated special polymer PA PUR
Color	
<ul style="list-style-type: none"> • of the power wire insulation • of the FOC core sheath 	Black Black / orange
Bending radius / with multiple bends / minimum permissible	110 mm
Number of bending cycles	5000000
<ul style="list-style-type: none"> • Note 	For use in cable carriers, for 5 million bending cycles with a bending radius of 106 mm (10 x D)
Traction stress / maximum	60 N
Short-term shear force per length	10 N/cm
Continuous lateral force per length	1 N/cm
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating • during storage • during transport • during installation 	-20 ... +60 °C -20 ... +60 °C -20 ... +60 °C -5 ... +50 °C
Chemical resistance	
<ul style="list-style-type: none"> • to mineral oil • to grease 	Conditional resistance Conditional resistance
Radiological resistance / to UV radiation	resistant
Product properties, functions, components / general	
Product feature	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	No Yes
Standards, specifications, approvals	
UL/ETL listing / with 300 V rating	No
UL/ETL style / with 600 V rating	No
Verification of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
letzte Änderung:	Jul 14, 2014