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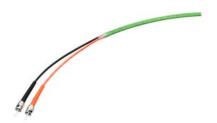
Data sheet 6XV1873-3DH30

product type designation product description

FO Trailing Cable GP

Glass fiber-optic cable, preferred length, preassembled

FO Trailing Cable GP 50/125, pre-assembled with 2x2 BFOC connectors, length 3.0 m.



suitability for use	Flexible cable for use in cable carriers for high mechanical loading, UL approva
version of the assembled FO cable	Assembled with four BFOC connectors
cable designation	AT-W(ZN)Y(ZN)Y 2G 50/125 OM2++
wire length	3 m
ptical data	
attenuation factor per length	
• at 850 nm / maximum	2.7 dB/km
• at 1300 nm / maximum	0.7 dB/km
bandwidth length product	
• at 850 nm	600 GHz·m
• at 1300 nm	1200 GHz·m
echanical data	
number of fibers / per FOC core	1
number of FO cores / per FOC cable	2
version of the FO conductor fiber	Multi-mode gradient fiber 50/125 μm, OM 2
design of the FOC core	Hollow core, filled, diameter 1400 µm
design of the fiber-optic cable	segmentable
outer diameter	
 of the optical fibers 	50 μm
 of the optical fiber sheath 	125 μm
 of the FOC core sheath 	2.9 mm
symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
outer diameter / of the cable	10.5 mm
symmetrical deviation / of the outer diameter of the line	0.5 mm
material	
 of the fiber-optic cable core 	Quartz glass
 of the optical fiber sheath 	Quartz glass
 of the FOC core sheath 	PVC
 of the fiber-optic cable sheath 	PVC
of the strain relief	Aramid fibers
color	
 of the FOC core sheath 	orange/black
of cable sheath	green
bending radius	
with single bend / minimum permissible	150 mm
• with multiple bends / minimum permissible	200 mm
number of bending cycles	3500000

tensile load	
 during installation / short-term 	2000 N
during operation / maximum	800 N
short-term shear force per length	700 N/cm
continuous shear force per length	400 N/cm
weight per length	90 kg/km
ambient conditions	
ambient temperature	
during operation	-25 +80 °C
during storage	-25 +80 °C
during transport	-25 +80 °C
during installation	-5 +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
chemical resistance	
• to mineral oil	conditional resistance
• to grease	conditional resistance
radiological resistance / to UV radiation	resistant
protection class IP	IP20
product features, product functions, product components / gene	eral
product feature	
halogen-free	No
• silicon-free	Yes
product component / rodent protection	No
wire length	
for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum	5000 m
• for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum	750 m
• for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum	2000 m
for glass FOC / with PROFIBUS / maximum	3000 m
standards, specifications, approvals	
certificate of suitability	
• UL approval	Yes; UL approval: OFN (NEC Article 770, UL 1651) / CSA approval: OFN FT4 (CSA standard C22.2 No. 232)
RoHS conformity	Yes
reference code	
 according to IEC 81346-2 	WH
• according to IEC 81346-2:2019	WHA
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
to website: Industrial communication	http://www.siemens.com/simatic-net
to website: Industry Mall	https://mall.industry.siemens.com
to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
to website: Image database	http://automation.siemens.com/bilddb
to website: CAx-Download-Manager	http://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
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last modified: 2/3/2023 🖸