## **SIEMENS**

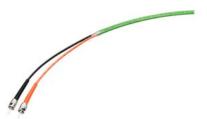
Data sheet 6XV1873-3DH30

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
optical 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
mechanical 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	
<ul> <li>of the optical fibers</li> </ul>	50 μm
<ul> <li>of the optical fiber sheath</li> </ul>	125 μm
<ul> <li>of the FOC core sheath</li> </ul>	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	
<ul> <li>of the fiber-optic cable core</li> </ul>	Quartz glass
<ul> <li>of the optical fiber sheath</li> </ul>	Quartz glass
<ul> <li>of the FOC core sheath</li> </ul>	PVC
<ul> <li>of the fiber-optic cable sheath</li> </ul>	PVC
of the strain relief	Aramid fibers
color	
<ul> <li>of the FOC core sheath</li> </ul>	orange/black
of cable sheath	green
bending radius	
<ul> <li>with single bend / minimum permissible</li> </ul>	150 mm
<ul> <li>with multiple bends / minimum permissible</li> </ul>	200 mm
number of bending cycles	3500000

tensile load	
<ul> <li>during installation / short-term</li> </ul>	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
<ul><li>for glass FOC / with PROFIBUS / maximum</li></ul>	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	
<ul> <li>according to IEC 81346-2</li> </ul>	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: One political manager     to website: Industry Online Support	https://support.industry.siemens.com
- to woodo. Industry Orinito Support	- International Control of the Contr

last modified: 2/3/2023 🖸