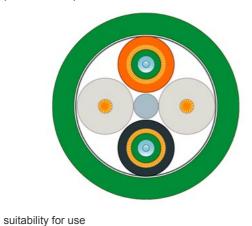
SIEMENS

Data sheet 6XV1873-6CT10

product type designation

product description



FO Trailing Cable

Glass fiber-optic cable, preferred length, preassembled

FO Trailing Cable 50/125, pre-assembled with 2x2 SC connectors, insertion aid, Length 100 m

Flexible cable for use in cable carriers for high mechanical loading, no

	UL approval
version of the assembled FO cable	Preassembled with four SC connectors
cable designation	AT-W(ZN)Y(ZN)11Y 2G 50/125 OM2++
wire length	100 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	
 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 	PUR
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	5000000
tensile load	3000000
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	50 kg/kiii
ambient temperature	40
during operation	-40 +80 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
during installation	-5 +50 °C
fire behavior	flammable
chemical resistance	
to mineral oil	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +100 °C, 168 h, pull speed 250 mm/min.
• to grease	resistant
radiological resistance / to UV radiation	resistant
protection class IP	IP20
product features, product functions, product components / general	
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	
 RoHS conformity 	Yes
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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