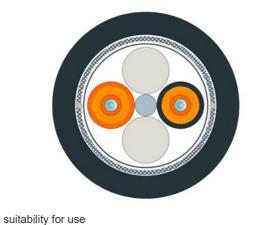
SIEMENS

Data sheet 6XV1873-6GT10

product type designation

product description



FO Ground Cable

Glass fiber-optic cable, preferred length, preassembled

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

Waterproof cable (lengthwise and sideways) with non-metallic protection

	against rodents for use outdoors as well as for direct routing underground
version of the assembled FO cable	Preassembled with four SC connectors
cable designation	AT-WQ(ZN)Y(ZN)B2Y 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 	PE
of the strain relief	Aramid fibers
color	
 of the FOC core sheath 	orange/black
of cable sheath	Black
bending radius	
with single bend / minimum permissible	105 mm

with multiple bends / minimum permissible	155 mm
tensile load	TOO HILL
during installation / short-term	2000 N
during installation / short-term during operation / maximum	800 N
short-term shear force per length	500 N/cm
	300 N/cm
continuous shear force per length weight per length	90 kg/km
ambient conditions	50 kg/kiii
ambient temperature	40 77.00
during operation	-40 +75 °C
during storage	-40 +75 °C
during transport	-40 +75 °C
during installation	-5 +50 °C
fire behavior	flammable
chemical resistance	
to mineral oil	resistant
• to grease	resistant
• to water	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	Yes
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: Industrial communication to website: Industry Mall	https://mall.industry.siemens.com
to website: Industry Mail to website: Information and Download Center	http://www.siemens.com/industry/infocenter
to website: Milorination and bowindad Center to website: Selection guide for cables and	https://sie.ag/2QdlxcP
connectors	https://oic.ag/2-gdixor
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
13 Houses Hadday Chillio dapport	

last modified: 5/20/2021 **3**