

Product-type designation **FO Trailing Cable**



SIMATIC NET FO TRAILING CABLE, (50/125), TRAILING CABLE, SPLITTABLE, W/O CONNECT., SOLD BY THE METER MAX. LENGTH: 1000 M MIN. ORDER LENGTH: 20 M

Product description Glass fiber-optic cable, sold by the meter, unassembled
 Cable designation AT-W(ZN)Y(ZN)11Y 2G 50/125

Optical data

Damping ratio 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 FOC cores / per FOC cable	2
Version of the FO conductor fiber	Multi-mode gradient fiber 50/125 µm, OM 2
Design of the fiber-optic cable	Segmentable
Outer diameter	
• of 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 FOC core sheath	PVC
• of the fiber-optic cable sheath	PUR
Color	
• of the cable sheath	green
Bending radius	
• with single bend / minimum permissible	150 mm
• with multiple bends / minimum permissible	200 mm
Number of bending cycles	5000000
Traction stress / maximum	800 N
Short-term shear force per length	700 N/cm
Continuous lateral force per length	400 N/cm
Weight per length	90 kg/km

Permitted ambient conditions

Ambient temperature	
• during operating	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-5 ... +50 °C
Chemical resistance	
• to grease	resistant
• to water	Conditional resistance

Product properties, functions, components / general

Product feature	
• halogen-free	No
• silicon-free	Yes
Product component / Rodent protection	No
Cable length	
• for glass FOC	
• for 100BaseFX / for Industrial Ethernet / maximum	5000 m
• for 1000BaseSX / for Industrial Ethernet / maximum	750 m
• for 1000BaseLX / for Industrial Ethernet / maximum	2000 m
• for glass FOC / for PROFIBUS / maximum	3000 m

Standards, specifications, approvals

Verification of suitability	
• RoHS conformity	Yes

letzte Änderung: Aug 6, 2014