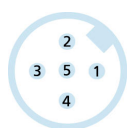
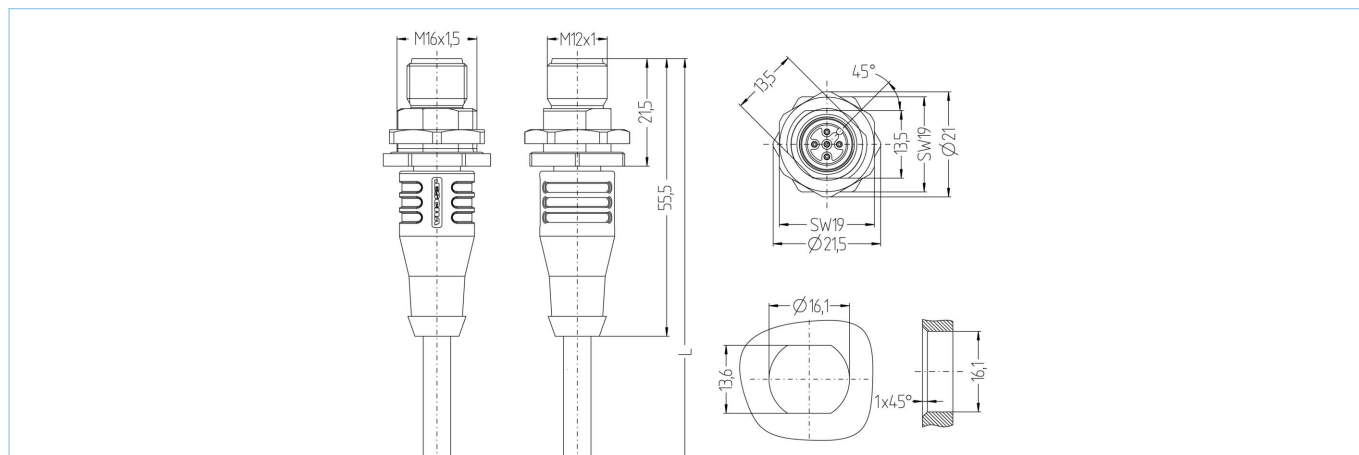


Receptacle Single-ended cordset, M12, male, straight, 5 poles, back wall-mounting, shielded



Product data

Item description	EC-FSFD54.5-m/16/S370
Item-No.	V0005278
Length	on demand
Customs tariff-No.	85444290

Technical data

Connector	male, straight, M12
Number of pins	5
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK, 5 GY
Coding	A
Rated voltage	60V
Current load per pin (at 40°C)	4A
Insulation resistance	$\geq 10^9 \Omega$
Ambient temperature product	-30°C...+70°C
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA GF, BK
Grip body material	Plastic, TPU, BK
Receptacle housing material	Metal, CuZn, nickel-plated
Material of external sealing	NBR
Shielding	with shielding
Mounting direction	Back wall-mounting (incl. Fixing screw)
Adjustable fixing screw	Yes
Fastening thread	M16x1.5
Degree of protection (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3
Style	straight

Cable web

PUR, UL, S370

Flexible, silicone- and halogen-free control cable with high mechanical strength. The cable is chemicals, hydrolysis-, and microbesresistant. The drag-chain application is possible at a bending radius of minimum $10 \times d$. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements. Very good EMC-features with shielded versions.

Outer diameter of jacket	5.60 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	5 x 0.34 mm ²
Wire insulation material	PP
Wire colors	BN, WH, BU, BK, GY
Wire structure	42 x 0.10 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	-30°C...+90°C
Temperature range (fixed)	-40°C...+90°C
Temperature range (drag chain)	-25°C...+60°C
Drag chain-application	≥3 Mio. cycles
Shielding	Yes
Halogen-free	Yes
Torsion	+/-180°/m, ≥ 0.5 Mio. cycles
Rated voltage cable	≤300 V
Special features	flame retardant, halogen free, hydrolysis proof, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, welding sparks resistant, seawater resistant, silicone free, torsion resistant, UV resistant