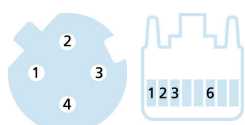
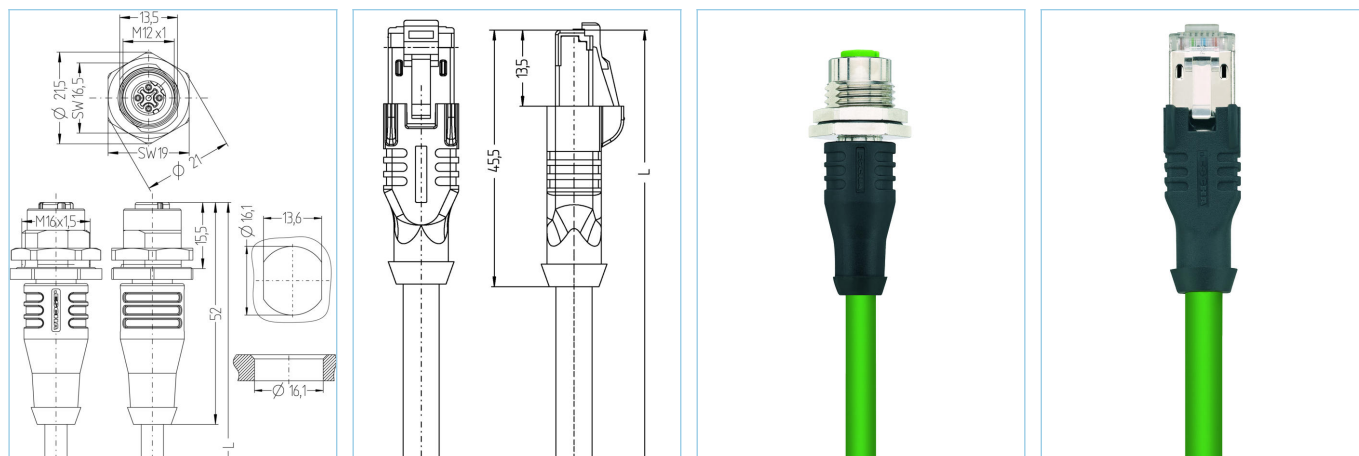


Receptacle Double-ended cordset, M12, female, straight, 4 poles, D-coded, RJ45, male, straight, 4 poles, shielded, Industrial Ethernet



PROFI
NET



Product data

Item description	IE-FKFDSY4.029-2-IE-RJ45SS4.003/S5100
Item-No.	8088945
Length	2m
Customs tariff-No.	85444290
Step-File	IE-FKFDSY4-L-IE-RJ45SS4.stp
EAN	4047106253592

Technical data

	A-side	B-side
Connector	female, straight, M12	male, straight, RJ45
Number of pins	4	
Pin assignment	1 YE, 2 WH, 3 OG, 4 BU	1 YE, 3 WH, 2 OG, 6 BU
Coding of	D	
Rated voltage	250V	60V
Current load (at 40°C)	4A	1A
Insulation resistance	$\geq 10^9 \Omega$	
Transmission features	Cat5e	Cat5e
Ambient temperature product	-30°C...+90°C	-40°C...+70°C
Contact material	Metal, CuSn, gold-plated	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, GN	Plastic
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Receptacle housing material	Metal, CuZn, nickel-plated	
Material of external sealing	NBR	
Shielding	with shielding	with shielding
Material of shielding housing		Metal, CuZn, nickel-plated
Sealing (female) material	FPM/FKM	
Standards	IEC 61076-2-101/109	IEC 60603-7-5
Degree of protection (mounted)	IP65, IP67, IP68	IP20
Mechanical life-cycle	>100 mating cycles	>750 mating cycles
Degree of pollution	3	1

Cable web

Cat5e, PUR, UL, S5100, PROFINET Type R

Shielded, PUR-cable for industrial applications. The cable is UL-verified or meets the Cat5e (electrical properties of EN 50288-2-1) requirements. Materials and a constructive setup allow for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable. This cable is especially suitable for robotic applications.

Outer diameter of jacket	6.50 mm
Cable-jacket material	PUR
Jacket color	GN, similar RAL6018
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	PE
Wire colors	YE/OG ; WH/BU
Wire structure	19 x 0.15 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	-20°C...+80°C
Temperature range (fixed)	-40°C...+80°C
Drag chain-application	5 Mio. bending cycles; bending radius 75 mm; maximum acceleration 20 m/s²; maximum horizontal speed 300 m/min; maximum length horizontal of cable 5 m
Halogen-free	Yes
Torsion	>5 Mio. cycles; ±180°/m
Transmission features	Cat5e
Rated voltage cable	600 V UL rating
Special features	flame retardant, halogen free, high flexibility, hydrolysis proof, LABS free, microbes resistant, oil resistant, ozone resistant, PROFINET Type R, recyclable, RoHS compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, torsion resistant, UV resistant

Classification

eCl@ss 6.0	27060307
eCl@ss 7.0	27060307
eCl@ss 8.0	27060307
eCl@ss 9.0	27060307
ETIM 5.0	EC000830
ETIM 6.0	EC000830

Link to product

<https://www.escha.net/en/products/standard/data-connectors/8088945>