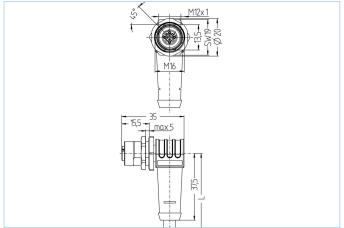


## Receptacle Single-ended cordset, M12, female, angled, 4 poles, D-coded, shielded, rail approved









Item description         RA-WFKFDSY4.029-5/54003           Item No.         8063093           Length         5m           Custom stariff-No.         85444290           Step-File         RA-WFKFDSY4_029.stp           EAN         4047106159702           Technical data           Connector         female, angled, M12           Number of pins         4           Pin assignment         1 YE, 2 WH, 3 OG, 4 BU           Coding         D           Rated voltage         250V           Current load per pin (at 40°C)         4A           Insulation resistance         ≤ 10°Ω           Resistance         ≤ 5mΩ           Transmission features         Cat5e           Contact material         Metal, CuZn, gold-plated           Contact-carrier material         Plastic, PA, BK           Grip body material         Metal, CuZn, nickel-plated           Sealing (female) material         Metal, CuZn, nickel-plated           Sealing (female) material         NBR           Mounting direction         With shielding           Mounting direction         With shielding	Product data	
Length         5m           Customs tariff-No.         85444290           Step-File         RA-WFKFDSY4_029.stp           EAN         4047106159702           Technical data           Connector         female, angled, M12           Number of pins         4           Pin assignment         1 YE, 2 WH, 3 OG, 4 BU           Coding         D           Rated voltage         250V           Current load per pin (at 40°C)         4A           Insulation resistance         ≤ 5mΩ           Resistance         ≤ 5mΩ           Transmission features         Cat5e           Contact material         Metal, CuZn, gold-plated           Contact-carrier material         Plastic, PA, BK           Grip body material         Plastic, TPU, BK           Receptacle housing material         Metal, CuZn, nickel-plated           Sealing (female) material         FPM/FKM           Material of external sealing         NBR           Shielding         with shielding	Item description	RA-WFKFDSY4.029-5/S4003
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Insulation resistance≥10°ΩResistance≤ 5mΩTransmission featuresCat5eContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKGrip body materialPlastic, TPU, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMaterial of external sealingNBRShieldingwith shielding	Rated voltage	250V
Resistance≤ 5mΩTransmission featuresCat5eContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKGrip body materialPlastic, TPU, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMaterial of external sealingNBRShieldingwith shielding	Current load per pin (at 40°C)	4A
Transmission features  Contact material  Metal, CuZn, gold-plated  Contact-carrier material  Plastic, PA, BK  Grip body material  Plastic, TPU, BK  Receptacle housing material  Metal, CuZn, nickel-plated  FPM/FKM  Material of external sealing  NBR  Shielding  with shielding	Insulation resistance	≥10°Ω
Contact material Metal, CuZn, gold-plated  Contact-carrier material Plastic, PA, BK  Grip body material Plastic, TPU, BK  Receptacle housing material Metal, CuZn, nickel-plated  Sealing (female) material FPM/FKM  Material of external sealing NBR  Shielding with shielding	Resistance	≤ 5mΩ
Contact-carrier material Plastic, PA, BK Grip body material Plastic, TPU, BK Receptacle housing material Metal, CuZn, nickel-plated Sealing (female) material FPM/FKM Material of external sealing NBR Shielding with shielding	Transmission features	Cat5e
Grip body material Plastic, TPU, BK Receptacle housing material Metal, CuZn, nickel-plated Sealing (female) material FPM/FKM Material of external sealing NBR Shielding with shielding	Contact material	Metal, CuZn, gold-plated
Receptacle housing material Metal, CuZn, nickel-plated  Sealing (female) material FPM/FKM  Material of external sealing NBR  Shielding with shielding	Contact-carrier material	Plastic, PA, BK
Sealing (female) materialFPM/FKMMaterial of external sealingNBRShieldingwith shielding	Grip body material	Plastic, TPU, BK
Material of external sealing  NBR  Shielding  with shielding	Receptacle housing material	Metal, CuZn, nickel-plated
Shielding with shielding	Sealing (female) material	FPM/FKM
· · ·	Material of external sealing	NBR
Mounting direction Back wall-mounting (incl. Fixing screw)	Shielding	with shielding
Mounting direction Buck wait mounting (met. 1 king serew)	Mounting direction	Back wall-mounting (incl. Fixing screw)
Wall thickness area ( $\Delta h$ ) 1,05,0 mm	Wall thickness area (Δh)	1,05,0 mm
Fastening thread M16x1.5	Fastening thread	M16x1.5



Connecting type	Cable
Standards	IEC 61076-2-101
Mechanical life-cycle	>100 mating cycles
Cable end assembly	open cable end
Degree of pollution	3
Style	angled
Advanced technical data rail approved	
Standards	DIN EN 50155, DIN EN 45545-2
Shock & vibration	Class 1, Category B (DIN EN 61373)
Degree of protection (mounted)	IP67 (-30°C+90°C), IP65 (-40°C+90°C)
Temperature range	Tx (-40°C+90°C)
Fire prevention according to	DIN EN 45545-2 HL1-3
Cable web	Cat5, RADOX®, 1x4xAWG22, S4003

Halogen-free, electron-beam cross-linked Cat5-cable with improved fire performance. This cable can be used for fixed and protected installation inside of rail vehicles and busses and fullfills the requirements according to EN 45545-2 (HL1 - HL3). It is optimally suited for all Ethernet applications of classes D (ECN) according to IEEE 802.3. For installation the guidelines of EN 50355 and EN 50343 must be considered. Due to its big diameter, this cable is predestined for robust applications. RADOX® is a registered trademark of HUBER+SUHNER AG, Switzerland.

Outer diameter of jacket	7.25 mm
Cable-jacket material	RADOX® EM 104
Jacket color	BK
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	RADOX® COM
Wire colors	WH, BU, OG, YE
Bending radius (fixed)	6xØ cable
Bending radius (repeated)	10xØ cable
Temperature range (fixed)	-50°C+90°C
Fire prevention according to	DIN EN 45545-2 HL1-3, DIN 5510 fire prevention-levels 1-4, NF F16-101 category A1, A2, B, UNI CEI 11170, danger level LR1-LR4, NFPA 130, UN ECE R 118
Shielding	Yes
Halogen-free	Yes
Transmission features	Cat5e
Special features	increased thermal load, flame retardant, low emission of smoke, halogen free, oil- and fuel resistant, RoHs compliant
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



## Accessories

Cable Stripping Tool https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215

 $Spare\ nuts\ for\ receptacle\\ \ https://www.escha.net/en/products/standard/accessories-for-connectivity/8029359$ 

 $Screw\ plug,\ M12 \\ \ https://www.escha.net/en/products/standard/accessories-for-connectivity/8081767$ 

Mounting-clip, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660

 $Mounting-set, M12 \\ https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664$ 

Safety-clip, M12

## Link to product

https://www.escha.net/en/products/standard/connectors-for-bus-and-rail/8063093