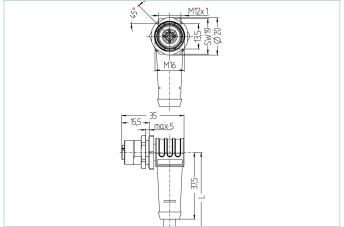


Receptacle Single-ended cordset, M12, female, angled, 4 poles, D-coded, shielded, rail approved









Item description RA-WFKFDSY4.029-m/54004 Item-No. V0005360 Länge on demand Customs tariff-No. 85444290 Step-File RA-WFKFDSY4_029.stp 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 Metal, CuZn, nickel-plated Sealing (female) material Metal, CuZn, nickel-plated Sealing (female) material PPMFKM Material of external sealing NBB table follows:	Product data	
Längeon demandCustoms tariff-No.85444290Step-FileRA-WFKFDSY4_029.stpTechnical dataConnectorfemale, angled, M12Number of pins4Pin assignment1 YF, 2 WH, 3 OG, 4 BUCodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation resistance≥10°ΩResistance≤ 5mΩTransmission featuresCat5eContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKGrip body materialMetal, CuZn, nickel-platedSealing (female) materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMaterial of external sealingNBR	Item description	RA-WFKFDSY4.029-m/S4004
Customs tariff-No.85444290Step-FileRA-WFKFDSY4_029.stpTechnical dataFemale, angled, M12Connectorfemale, angled, M12Number of pins4Pin assignment1 YE, 2 WH, 3 OG, 4 BUCodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation resistance≥ 10°ΩResistance≤ 5mΩTransmission featuresCat5eContact materialMetal, CuZn, gold-platedContact materialPlastic, PA, BKGrip body materialPlastic, TPU, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMaterial of external sealingNBR	Item-No.	V0005360
Step-FileRA-WFKFDSY4_029.stpTechnical dataFemale, angled, M12Connectorfemale, angled, M12Number of pins4Pin assignment1 YE, 2 WH, 3 OG, 4 BUCodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation 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 sealingNBR	Länge	on demand
Technical dataConnectorfemale, angled, M12Number of pins4Pin assignment1 YE, 2 WH, 3 OG, 4 BUCodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation resistance≥10°ΩResistance≤ 5mΩTransmission featuresCat5eContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, PA, BKGrip body materialPlastic, TPU, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialMetal, CuZn, nickel-platedMaterial of external sealingNBR	Customs tariff-No.	85444290
Connectorfemale, angled, M12Number of pins4Pin assignment1 YE, 2 WH, 3 OG, 4 BUCodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation 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 sealingNBR	Step-File	RA-WFKFDSY4_029.stp
Number of pins4Pin assignment1 YE, 2 WH, 3 OG, 4 BUCodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation 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 sealingNBR	Technical data	
Pin assignment1 YE, 2 WH, 3 OG, 4 BUCodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation 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 sealingNBR	Connector	female, angled, M12
CodingDRated voltage250VCurrent load per pin (at 40°C)4AInsulation 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 sealingNBR	Number of pins	4
Rated voltage250VCurrent load per pin (at 40°C)4AInsulation 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 sealingNBR	Pin assignment	1 YE, 2 WH, 3 OG, 4 BU
Current load per pin (at 40°C)4AInsulation 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 sealingNBR	Coding	D
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 sealingNBR	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 sealingNBR	Current load per pin (at 40°C)	4A
Transmission features Contact material Contact-carrier material Contact-carrier material Alexarched Plastic, PA, BK Grip body material Receptacle housing material Sealing (female) material Metal, CuZn, nickel-plated FPM/FKM Material of external sealing NBR	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	Resistance	$\leq 5 \text{m}\Omega$
Contact-carrier materialPlastic, PA, BKGrip body materialPlastic, TPU, BKReceptacle housing materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMMaterial of external sealingNBR	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	Contact material	Metal, CuZn, gold-plated
Receptacle housing material Metal, CuZn, nickel-plated Sealing (female) material FPM/FKM Material of external sealing NBR	Contact-carrier material	Plastic, PA, BK
Sealing (female) material FPM/FKM Material of external sealing NBR	Grip body material	Plastic, TPU, BK
Material of external sealing NBR	Receptacle housing material	Metal, CuZn, nickel-plated
·	Sealing (female) material	FPM/FKM
Children	Material of external sealing	NBR
Shielding with shielding	Shielding	with shielding
Mounting direction Back wall-mounting (incl. Fixing screw)	Mounting direction	Back wall-mounting (incl. Fixing screw)
Wall thickness area (Δh) 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®, ECO, 1x4xAWG22, S4004

Halogen-free, electron-beam cross-linked Cat5-cable with improved fire performance. Excellent features regarding NEXT, attenuation and screening characteristics (pair- and overall screen). 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 to F (ECN and ETB) according to IE-EE 802.3. For installation the guidelines of EN 50355 and EN 50343 must be considered. With a modified composition of materials and consistent technical features, this cable offers a cost-effective alternative to S4003. 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	BU
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