

M12, male, angled, 4 poles, D-coded, M12, male, angled, 4 poles, D-coded, shielded, Industrial Ethernet 100 MBit/s



**SERCOS**  
the automation bus



**Product data**

Item description	IE-WWASSY4.029-5-IE-WWASSY4.029/S3800
Item-No.	8055507
Length	5m
Customs tariff-No.	85444290
Step-File	IE-WWASSY4-m-IE-WWASSY4.stp
EAN	4047106139599
Label-carrier	2 pieces

Technical data	A-side	B-side
Connector	male, angled, M12	male, angled, M12
Number of pins	4	4
Pin assignment	1 YE, 2 WH, 3 OG, 4 BU	1 YE, 2 WH, 3 OG, 4 BU
Coding of	D	D
Rated voltage	60V	60V
Current load (at 40°C)	4A	4A
Insulation resistance	≥10 <sup>9</sup> Ω	≥10 <sup>9</sup> Ω
Resistance	≤ 5mΩ	≤ 5mΩ
Transmission features	Cat5e	Cat5e
Ambient temperature product	-30°C...+90°C	-30°C...+90°C
Contact material	Metal, CuSn, gold-plated	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, TPU, BK	Plastic, TPU, BK
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Shielding	with shielding	with shielding
Standards	IEC 61076-2-101	IEC 61076-2-101
Degree of protection (mounted)	IP65, IP67, IP68	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles	>100 mating cycles
Degree of pollution	2	2

**Cable** **Cat5e, PUR, UL, S3800, Sercos**

Shielded PUR-cable for industrial applications. The cable is CMX-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. A drag-chain application with up to 3million bending cycles is possible.

Outer diameter of jacket	6.50 mm
Cable-jacket material	PUR
Jacket color	RD, similar RAL3020
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	FRNC
Wire colors	OG, WH, BU, YE
Wire structure	7 x 0.254 mm
Bending radius (fixed)	4 x Ø-cable
Bending radius (repeated)	8 x Ø-cable
Temperature range (repeated)	-40°C...+80°C
Temperature range (fixed)	-40°C...+80°C
Temperature range (drag chain)	-40°C...+80°C
Drag chain-application	up to 3 Mio. bending cycles
Halogen-free	Yes
Transmission features	Cat5e
Rated voltage cable	300 V UL rating
Special features	flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, halogen free, oil resistant, high flexibility, microbes 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

**Accessories**
**Mounting-set, M12**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664>

**Torque-wrench set**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

**Marking rings Ø 9mm**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/?p=1&o=3&n=15&f=809>

**Link to product**

<https://www.escha.net/en/products/standard/data-connectors/8055507>