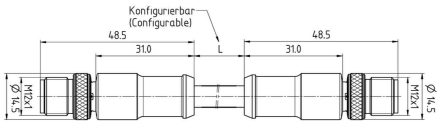
Product data sheet

Automation technology - data transmission and power supply

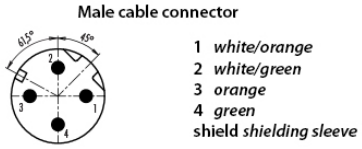
Product description	**Contacts: 4, M12 cordset, D-coded male to male 10m shielded Ethernet, Black TPE**
Area	**M12-D**
Order number	**77 4529 4529 64704-1000**

Illustration

Scale drawing



Contact arrangement



Technical data

General values

Connector design	connecting cord
Connector locking system	bolted
Termination	crimp, moulded on cable
Wire gauge (AWG)	2x2xAWG24
Upper limit temperature	85 °C
Lower limit temperature	-40 °C

Cable data

Sheath material	TPE teal
Single-lead insulation	PE
Single-lead structure	AWG24
Cable diameter	6.6
Conductor resistance	55Ω/Km
Temperature range, moving cable, °C from	-20
Temperature range, moving cable, °C to	60
Temperature range, fixed cable, °C from	-40
Temperature range, fixed cable, °C to	80
Bending radius, fixed cable	min. 5xd

Electrical values

Rated current (40 °C)	4A
Rated voltage	250V
Pollution degree	3
Overvoltage category	II
Insulating material group	I
Volume resistivity	≤ 3 mΩ
Insulation resistance	$>10^{10}$Ω
EMC compliance	shielded
Degree of protection	IP67
Mechanical operation	> 100 Mating cycles

Material

Contact material	CuZn (brass)
Contact plating	Au (gold)
Contact body material	PA
Housing material	PUR

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Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.
Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.
To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).