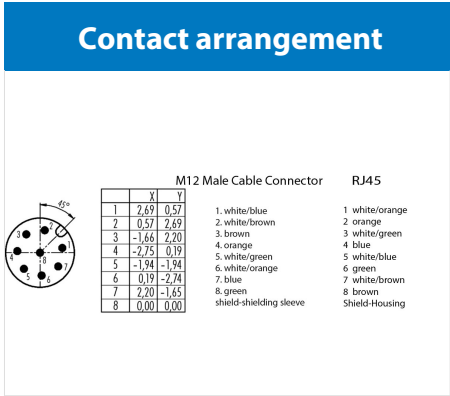
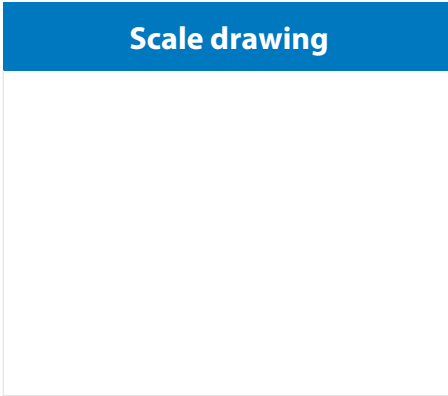


Product description	<b>Contacts: 8, M12 cordset 8p A-coded male straight to RJ45</b>
Area	<b>1m shielded Ethernet TPE</b>
Order number	<b>M12-A Series 763</b>
	<b>77 9753 3529 34708-0100</b>



## Technical data

### General values

Connector design	cable connector
Connector locking system	bolted
Termination	moulded on cable
Wire gauge (mm)	0,25 mm <sup>2</sup>
Wire gauge (AWG)	(24)
Upper limit temperature	90 °C
Lower limit temperature	-25 °C

### Cable data

Sheath material	TPE
Single-lead insulation	HDPE
Single-lead structure	7 x 32
Cable diameter	6
Conductor resistance	<79Ω/Km
Temperature range, moving cable, °C from	-40
Temperature range, moving cable, °C to	80
Temperature range, fixed cable, °C from	-40
Temperature range, fixed cable, °C to	80
Bending radius, fixed cable	min. 10 x D
Bending radius, moving cable	min. 20 x D
Approval 1	UL listed

### Electrical values

Rated current (40 °C)	2 A
Rated voltage	30 V
Rated impulse voltage	800 V
Pollution degree	3
Overtoltage category	II
Insulating material group	II
Volume resistivity	≤ 3 mΩ
Insulation resistance	≥ 10 <sup>10</sup> Ω
EMC compliance	not shielded
Degree of protection	IP68
Mechanical operation	> 100 Mating cycles

### Material

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

Product description	<b>Contacts: 8, M12 cordset 8p A-coded male straight to RJ45</b>
Area	<b>1m shielded Ethernet TPE</b>
Order number	<b>M12-A Series 763</b>
	<b>77 9753 3529 34708-0100</b>

## 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).