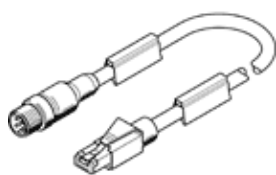


# connecting cable

## NEBC-D12G4-ES-1-S-R3G4-ET

Part number: 8040451

FESTO



## Data sheet

Feature	Value
Cable identification	With inscription label holder
Connection frequency	50
Product weight	93.5 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1, D-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, occupied pins/wires	4
Electrical connection 1, type of mounting	Screw-type lock with hex A/F 13 mm and longitudinal knurl
Electrical connection 2, function	Controller side
Electrical connection 2, design	Angular
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	RJ45 as per IEC 60603-7-3
Electrical connection 2, number of pins/wires	8
Electrical connection 2, occupied pins/wires	4
Electrical connection 2, type of mounting	Snap-in locking
Operating voltage range DC	0 ... 30 V
Acceptable current load at 40°C	1.3 A
Surge strength	0.8 kV
Note on surge resistance	Due to screening, a leakage flow of up to 20 mA is permissible.
Transmission properties	In accordance with category 5, EN 50173, class D In accordance with category 5, ISO/IEC 11801, class D
Ethernet cable specification	Type: CAT 5
Cable length	1 m
Cable attribute	Suitable for energy chains
Test conditions of cable	Bending strength according to Festo standard Test conditions on request Energy chain > 2 million cycles, bending radius 100 mm
Bending radius, fixed cable installation	≥ 40 mm
Bending radius, flexible cable installation	≥ 100 mm
Cable diameter	6.7 mm
Cable diameter tolerance	± 0,3 mm
Cable structure	4 x 0.34 mm <sup>2</sup> (star quad)
Nominal conductor cross-section	0.34 mm <sup>2</sup>
Nominal conductor cross section (AWG)	AWG22
Protection class	IP65 IP67
Special characteristics	Oil resistant
Ambient temperature	-25 ... 80 °C
Ambient temperature with flexible cable installation	-20 ... 60 °C
Storage temperature	-25 ... 80 °C
CE mark (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions

Feature	Value
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
Degree of contamination	3
Corrosion resistance classification CRC	1 - Low corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	green
Material housing	Nickel-plated brass PA TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated die-cast zinc
Material electrical contact	Brass Gold plated
Material insulation	PE
Material threaded sleeve	Zinc die-casting