

Drive Cliq IP20 / M12 female 0° shielded 8p.

Specification: 6FX8002-2DC30-1AF5

Art.No.: 7000-SS071-8800550

Weight: 0.411 kg

Country of origin: DE

Model designation: M6FX8002-2DC30-1AF5

Female straight – male straight

DRIVE-CLiQ IP20

M12, 8-pole

partly used

Ethernet CAT5

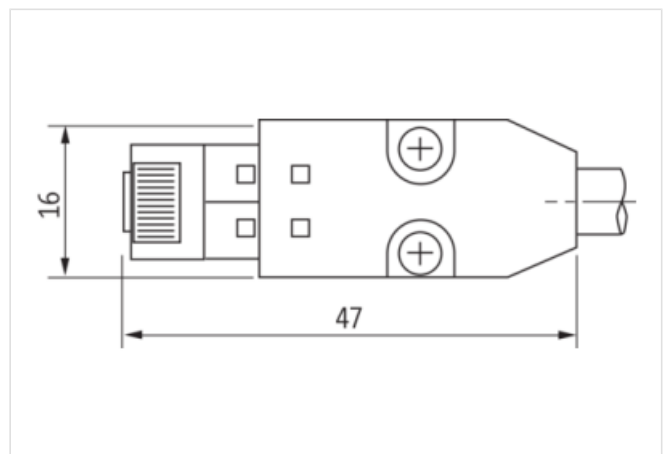
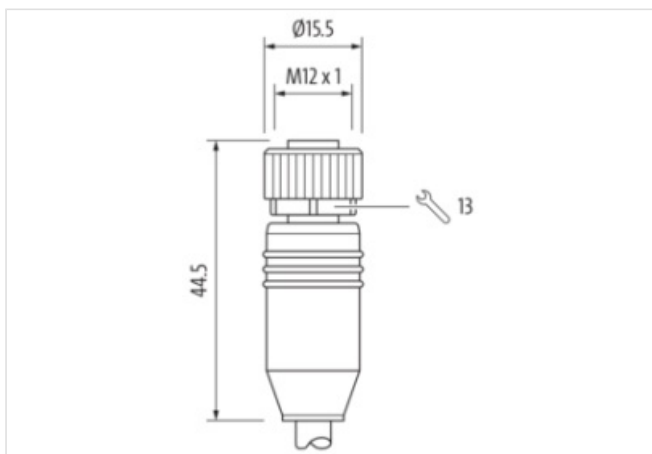
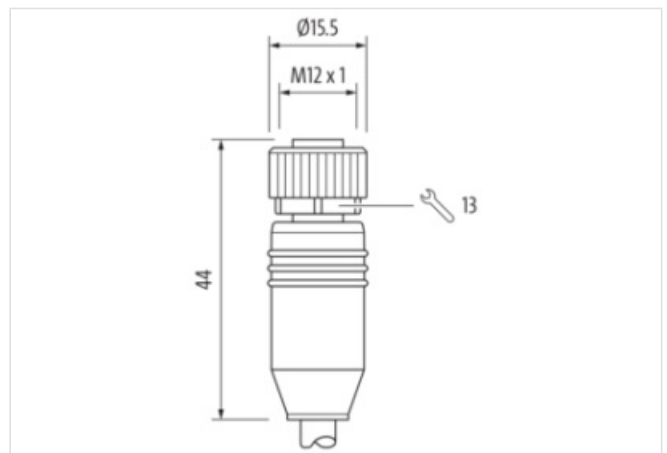
Shielded

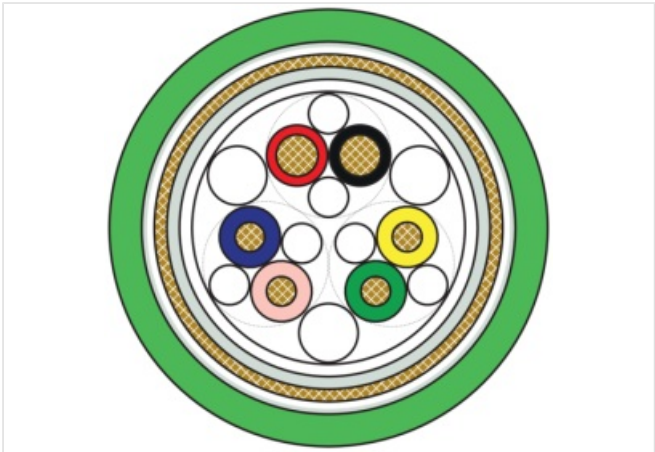
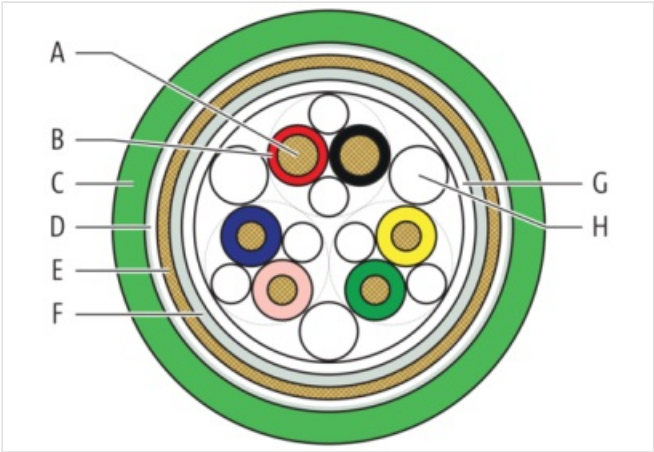
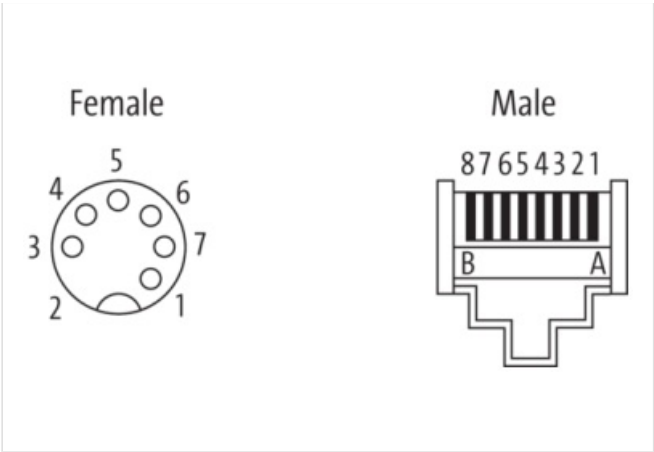
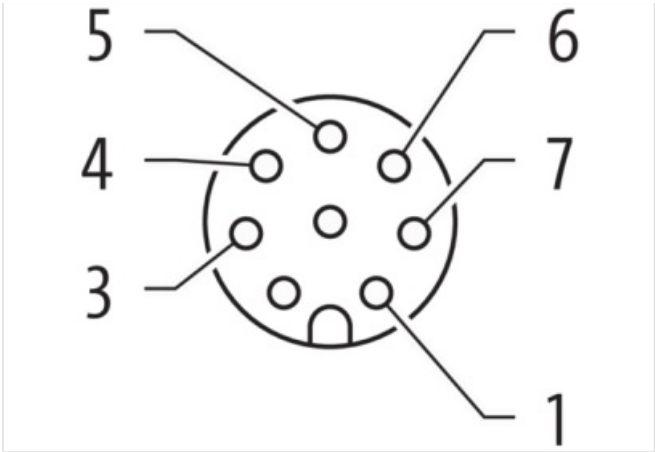
without cable sleeves

Further cable lengths on request.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Plastic housings with good resistance against chemicals and oils.

Link to Product**Illustration**



Product may differ from Image



Header

Material short text M6FX8002-2DC30-1AF5
Cable length 5,50 m

Side 1

Family construction form	M12
Coding	A
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67

Side 2

Family construction form	DRIVE-CLiQ
Degree of protection (EN IEC 60529)	IP20

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-SS071-8800550
GTIN	4048879676885
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
ETIM-5.0	EC000830
ETIM-6.0	EC000830
customs tariff number	85444290
EAN	4048879676885
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	27.760 A

Industrial Communication

Data transmission rate max.	100 Mbit/s
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)

Industrial communication | Ethernet functionality

duplex	Full duplex
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Device protection | Electrical

Pollution Degree	3
Rated surge voltage	0,5 kV
Material group (IEC 60664-1)	II

Mechanical data

Contour for corrugated hose	without
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Mechanical data | Material data

Material housing	PUR
Locking material	Zinc die-casting
Coating locking	Nickeled

Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation Cable	
Cable identification	880
Function cable	Hybrid
Amount stranding	3
Stranding	2 wires stranded with 2 fillers
Amount stranding (type 2)	1
Stranding (type 2)	3 stranding combinations stranded with 3 fillers
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Wire arrangement	(green, yellow), (pink, blue), (red, black)
Cable weight	69 g/m
Material wire insulation	Polyolefin
Amount wires	4
Outer diameter insulation	1 mm
Outer diameter tolerance core insulation	± 0,05 mm
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,118 mm
Conductor crosssection (wire)	0,2 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (type 2)	Polyolefin
Outer diameter wire insulation (type 2)	1 mm
Tolerance outer diameter wire insulation (type 2)	± 0,05 mm
Ingredient freeness wire insulation (type 2)	lead-free, CFC-free, halogen-free, silicone-free
Amount wires (type 2)	2
Amount strands wire (type 2)	19
Diameter of single wires (type 2)	0,16 mm
Conductor crosssection wire (type 2)	0,38 mm ²
Material conductor wire (type 2)	copper stranded wire, tinned
Wire conductor type (type 2)	strand class 6
Outer-diameter (jacket)	7 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free, silicone-free
Conductor resistance (wire)	94 Ω/km @ 20 °C
Conductor resistance (wire type 2)	55 Ω/km @ 20 °C
Isolation resistance	1.000 MΩ × km
Nominal voltage max.	30 V
Withstand voltage (wire - wire)	0.5 kV @ 60 s

Withstand voltage (wire - jacket)	0.5 kV @ 60 s
Withstand voltage (wire - shield)	0.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	2,4 A
Current load capacity max. Wire (type 2)	6 A
Characteristic impedance	100 Ω - 5 % @ 100 MHz
Operating temperature min. (static)	-20 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	60 °C
Operating temperature min. (drag chain)	-20 °C
Operating temperature max. (drag chain)	60 °C
Flame resistance	IEC 60332-1-2, UL 1581 § 1060
Oil resistance	IEC 60811-404
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	11 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	50 m @ 25 °C horizontal
Travel speed (C-track)	5 m/s @ 25 °C
Acceleration (C-track)	50 m/s ² @ 25 °C
Torsion stress	± 30 °/m