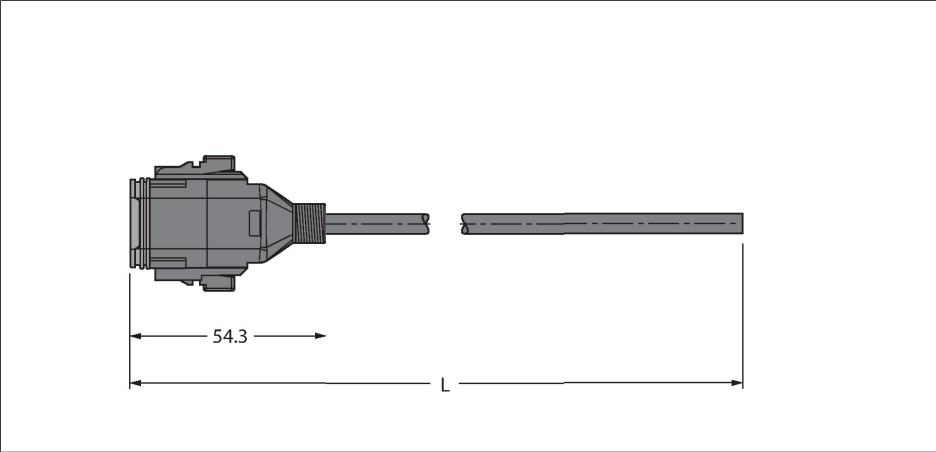


DT06-8SG-A-5/TXL

Deutsch Connector – Connection Cable



Technical data

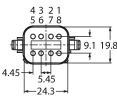
Type	DT06-8SG-A-5/TXL
ID	100000467
Connector A	Female, Deutsch DT, Straight
Number of Pins	8
Contacts	Brass, CuZn, Nickel-plated
Contact carriers	Plastic, Thermoplast, Green
Connector body	Plastic, TPU, UL 94, Black
Seal	Plastic, Silicone
Mechanical lifespan	> 100 Mating cycles
Protection class	IP67, IP69K, (plugged)
Cable	
Cable diameter	Ø 8 mm ±0.25
Cable length	5 m
Cable jacket	PUR, Black
Core insulation	PP
Core cross-section	8 x 0.75 mm²
Arrangement of strands	42 x 0.15 mm
Core colors	BN, GN, YE, GY, PK, BU, RD, WH
Electrical properties at +20 °C	
Rated voltage	48 V _{AC} /60 V _{DC}
Test voltage	3000 V
Current	6 A
Mechanical and chemical properties	
Bending radius (flexible use)	≥ 12 x Ø
Bending cycles	≥ 2 million
Admissible acceleration	max. 10 m/s²
Admissible traversing speed	1.67 m/s

Features



- Deutsch connector DT06, straight, 8-pin
- With M12 × 1 thread for thermowell
- Jacket material: TPE-U (PUR)
- Jacket color: black, similar to RAL 7021
- Suitable for drag chain use
- Flame retardant
- Halogen free acc. to DIN VDE 0472 part 815
- RoHS compliant
- Protection classes IP67 and IP69K
- Cable length: 5.0 m

Contact assignment



Circuit Diagram

1)	GN
2)	BN
3)	WH
4)	PK
5)	GY
6)	YE
7)	BU
8)	RD

Technical data

Ambient temperature range (stationary)	-40...+80 °C
Ambient temperature range (In motion)	-25...+80 °C