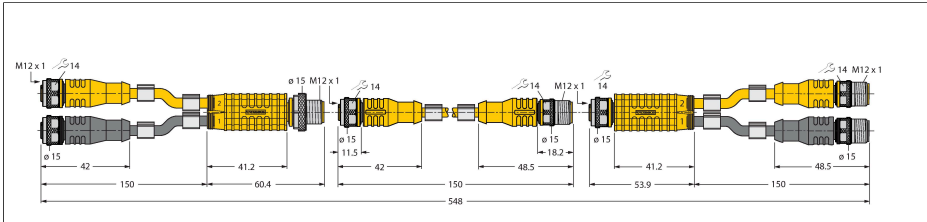


VBR-TXL4100

2-Way Junction Box – Y-splitter with Cable, 2x M12 × 1 Male - 2x Female M12 × 1



Technical data

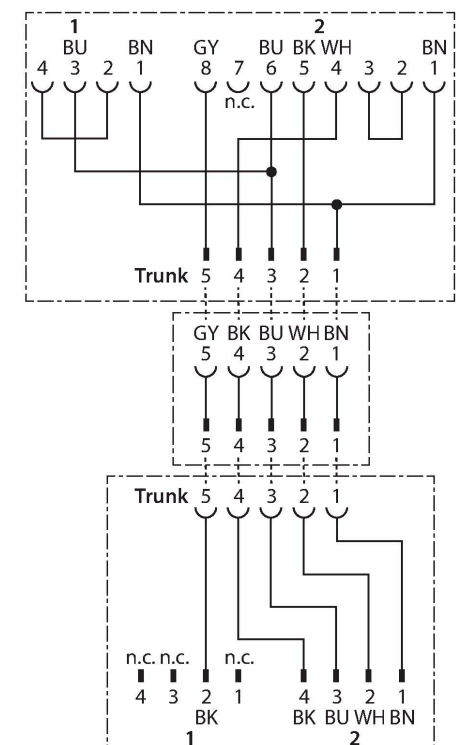
Type	VBR-TXL4100
ID	6631344
Connector A	2 × male connectors, M12 × 1, Straight
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut/screw	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only in screwed condition
Connector B	2 x Female, M12 × 1, Straight
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
Tightening torque	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only when screwed together
Cable length	0.15 m, 0.15 m
Cable jacket	PUR
Core insulation	PP
Core cross-section	0.34 mm ²
Electrical properties at +20 °C	
Rated voltage	30 V
Test voltage	2000 V
Current	2 A

Features



- Jacket material: PUR
- Jacket color: black/yellow
- Suitable for drag chain use
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Flame-retardant
- Free from halogen, silicone, PVC and LABS
- RoHS-compliant
- Protection class IP67
- Designed for safety applications
- Cable length: 0.15 / 0.15 m

Circuit Diagram



Technical data

Insulation resistance	> 30.5 MΩ/km
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Bending cycles	≥ 5 million
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature (fixed)	-50...+80 °C
Ambient temperature (mobile)	-25...+60 °C
Ambient temperature (drag chain)	-25...+80 °C