

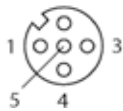
M23 Connector for Supply Cable



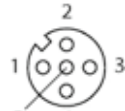
- Housing material: Nylon (PA 6 GF)
- Housing color: black
- RoHS-compliant
- cULus listed
- Protection class IP67



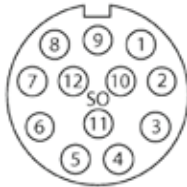
3-polig + PE



4-polig + PE



11-polig + PE



18-polig + PE



Junction box	
Housing	Plastic, PA, Black
I/O Ports	
I/O port	Female connector, M12 x 1
Thread insert	metal, CuZn, nickel-plated
Contact carriers	PA, Black
Contacts	Brass, CuZn, Gold-plated
Seal	Plastic, FPM/FKM
Mechanical Lifespan	> 100 mating cycles
Connector receptacle	
Design	Male receptacle
Contacts	Metal, CuZn, Gold-plated
Seal	plastic, NBR
Technical properties	
Rated voltage	30 V
Ampacity	2 A per signal contact, total current 9 A
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 10 ⁸ Ω
Ambient temperature	
Stationary usage	-40...+85 °C

Diagram 1

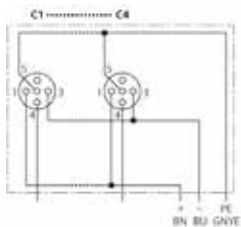


Diagram 2

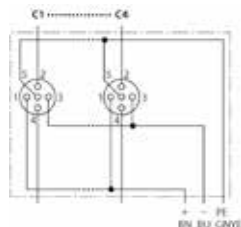


Diagram 3

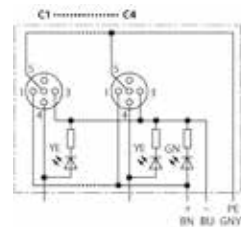
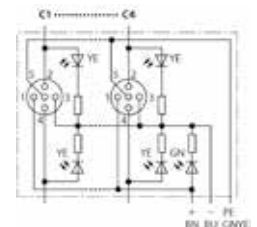
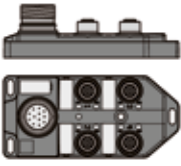
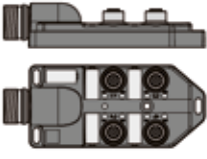
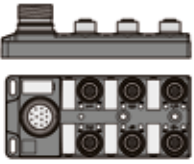
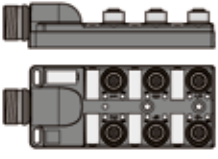
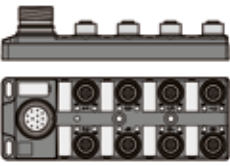
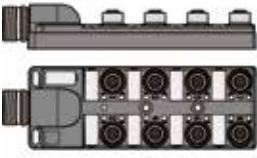


Diagram 4



Types and Features — Selection Table

Design	Number of pins	Number of pins	Display switching status	Graph	ID number	Type
	3+PE	12		Diagram 1	6611900	TB-4M12-4-CS12T
	4+PE	19		Diagram 2	6611901	TB-4M12-5-CS19T
	3+PE	12	LED, YE	Diagram 3	6611902	TB-4M12-4P2-CS12T
	4+PE	19	LED, YE	Diagram 4	6611903	TB-4M12-5P3-CS19T
	3+PE	12		Diagram 1	6611956	TB-4M12-4-CS12H
	4+PE	19		Diagram 2	6611957	TB-4M12-5-CS19H
	3+PE	12	LED, YE	Diagram 3	6611958	TB-4M12-4P2-CS12H
	4+PE	19	LED, YE	Diagram 4	6611959	TB-4M12-5P3-CS19H
	3+PE	12		Diagram 1	6611920	TB-6M12-4-CS12T
	4+PE	19		Diagram 2	6611921	TB-6M12-5-CS19T
	3+PE	12	LED, YE	Diagram 3	6611922	TB-6M12-4P2-CS12T
	4+PE	19	LED, YE	Diagram 4	6611923	TB-6M12-5P3-CS19T
	3+PE	12		Diagram 1	6611960	TB-6M12-4-CS12H
	4+PE	19		Diagram 2	6611961	TB-6M12-5-CS19H
	3+PE	12	LED, YE	Diagram 3	6611962	TB-6M12-4P2-CS12H
	4+PE	19	LED, YE	Diagram 4	6611963	TB-6M12-5P3-CS19H
	3+PE	12		Diagram 1	6611940	TB-8M12-4-CS12T
	4+PE	19		Diagram 2	6611941	TB-8M12-5-CS19T
	3+PE	12	LED, YE	Diagram 3	6611942	TB-8M12-4P2-CS12T
	4+PE	19	LED, YE	Diagram 4	6611943	TB-8M12-5P3-CS19T
	3+PE	12		Diagram 1	6611964	TB-8M12-4-CS12H
	4+PE	19		Diagram 2	6611965	TB-8M12-5-CS19H
	3+PE	12	LED, YE	Diagram 3	6611966	TB-8M12-4P2-CS12H
	4+PE	19	LED, YE	Diagram 4	6611967	TB-8M12-5P3-CS19H

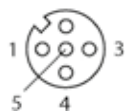
Homerun cable for supply cable



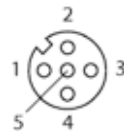
- Housing material: Nylon (PA 6 GF)
- Housing color: black
- Qualified for drag chain use
- RoHS-compliant
- cULus listed
- Protection class IP67



3-polig + PE



4-polig + PE



Junction box	
Housing	Plastic, PA, Black
I/O Ports	
I/O port	Female connector, M12 x 1
Thread insert	metal, CuZn, nickel-plated
Contact carriers	PA, Black
Contacts	Brass, CuZn, Gold-plated
Seal	Plastic, FPM/FKM
Mechanical Lifespan	> 100 mating cycles
Cable	
Cable quality	PUR (Black)
Core insulation	PVC
Technical properties	
Rated voltage	30 V
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 10 ⁸ Ω
Ambient temperature	
Stationary usage	-40...+85 °C

Diagram 1

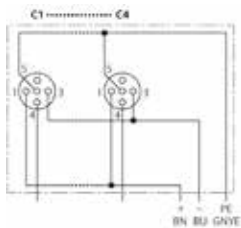


Diagram 2

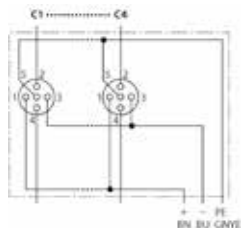


Diagram 3

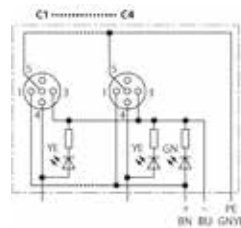
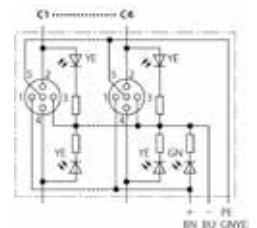
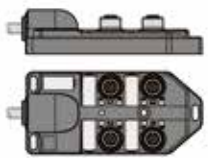
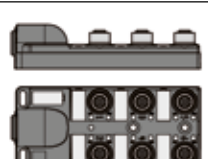
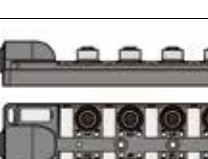


Diagram 4



Types and Features — Selection Table

Design	Number of pins	Display switching status	Graph	Cable length [m]	ID number	Type	
	3+PE		Diagram 1	2	6611904	TB-4M12-4-2/TXL	
	3+PE		Diagram 1	5	6611905	TB-4M12-4-5/TXL	
	3+PE		Diagram 1	10	6611906	TB-4M12-4-10/TXL	
	4+PE		Diagram 2	2	6611907	TB-4M12-5-2/TXL	
	4+PE		Diagram 2	5	6611908	TB-4M12-5-5/TXL	
	4+PE		Diagram 2	10	6611909	TB-4M12-5-10/TXL	
	3+PE	LED, YE	Diagram 3	2	6611910	TB-4M12-4P2-2/TXL	
	3+PE	LED, YE	Diagram 3	5	6611911	TB-4M12-4P2-5/TXL	
	3+PE	LED, YE	Diagram 3	10	6611912	TB-4M12-4P2-10/TXL	
	4+PE	LED, YE	Diagram 4	2	6611913	TB-4M12-5P3-2/TXL	
	4+PE	LED, YE	Diagram 4	5	6611914	TB-4M12-5P3-5/TXL	
	4+PE	LED, YE	Diagram 4	10	6611915	TB-4M12-5P3-10/TXL	
		3+PE		Diagram 1	2	6611924	TB-6M12-4-2/TXL
		3+PE		Diagram 1	5	6611925	TB-6M12-4-5/TXL
		3+PE		Diagram 1	10	6611926	TB-6M12-4-10/TXL
4+PE			Diagram 2	2	6611927	TB-6M12-5-2/TXL	
4+PE			Diagram 2	5	6611928	TB-6M12-5-5/TXL	
4+PE			Diagram 2	10	6611929	TB-6M12-5-10/TXL	
3+PE		LED, YE	Diagram 3	2	6611930	TB-6M12-4P2-2/TXL	
3+PE		LED, YE	Diagram 3	5	6611931	TB-6M12-4P2-5/TXL	
3+PE		LED, YE	Diagram 3	10	6611932	TB-6M12-4P2-10/TXL	
4+PE		LED, YE	Diagram 4	2	6611933	TB-6M12-5P3-2/TXL	
4+PE		LED, YE	Diagram 4	5	6611934	TB-6M12-5P3-5/TXL	
4+PE		LED, YE	Diagram 4	10	6611935	TB-6M12-5P3-10/TXL	
		3+PE		Diagram 1	2	6611944	TB-8M12-4-2/TXL
		3+PE		Diagram 1	5	6611945	TB-8M12-4-5/TXL
		3+PE		Diagram 1	10	6611946	TB-8M12-4-10/TXL
	4+PE		Diagram 2	2	6611947	TB-8M12-5-2/TXL	
	4+PE		Diagram 2	5	6611948	TB-8M12-5-5/TXL	
	4+PE		Diagram 2	10	6611949	TB-8M12-5-10/TXL	
	3+PE	LED, YE	Diagram 3	2	6611950	TB-8M12-4P2-2/TXL	
	3+PE	LED, YE	Diagram 3	5	6611951	TB-8M12-4P2-5/TXL	
	3+PE	LED, YE	Diagram 3	10	6611952	TB-8M12-4P2-10/TXL	
	4+PE	LED, YE	Diagram 4	2	6611953	TB-8M12-5P3-2/TXL	
	4+PE	LED, YE	Diagram 4	5	6611954	TB-8M12-5P3-5/TXL	
	4+PE	LED, YE	Diagram 4	10	6611955	TB-8M12-5P3-10/TXL	

Y-Splitter – Without Cable

Grip	Plastic, TPU,
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3/2
Current load	4 A
Contact resistance	≤ 5 mΩ



Types and Features — Selection Table

Design	Pin Assignment	Graph	Properties	ID number	Type
			M8 × 1 male - 2 × M8 × 1 female 4/3-pin Rated voltage: 30 V Temperature range: -30 °C...+80 °C	6930553	YP2-MFS4-2MFK3
			M12 × 1 male - 2 × M8 × 1 female 4/3-pin Rated voltage: 30 V Temperature range: -30 °C...+80 °C	6930549	YB2-FSM4.4-2PKG3M
			M12 × 1 male - 2 × M8 × 1 female 4/3-pin Rated voltage: 30 V Temperature range: -30 °C...+80 °C With LED (1 × green, 2 × yellow) Grip: plastic, TPU, black/translucent	6930546	YB2-FSM4.4-2PKG3M-P7X3
			M12 × 1 male - 2 × M12 × 1 female 5/4-pin Rated voltage: 30 V Temperature range: -30 °C...+80 °C	6930492	YB2-FSM5-2FKM5.4
			M12 × 1 male - 2 × M12 × 1 female 5/4-pin Rated voltage: 30 V Temperature range: -30 °C...+80 °C With LED (1 × green, 2 × yellow) Grip: plastic, TPU, black/translucent	6930547	YB2-FSM5-2FKM5.4-P7X3
			M12 × 1 male - 2 × M12 × 1 female 5/4-pin Rated voltage: 30 V Temperature range: -30 °C...+80 °C Grip: Plastic, TPU, gray	6930551	YB2-FSM5-2FKM5.4/S1063

Types and Features — Selection Table

Design	Pin Assignment	Graph	Properties	ID number	Type
			M12 × 1 male - 2 × M8 × 1 female 4/3-pin Rated voltage: 60 V Temperature range: -30 °C...+90 °C	6930559	VB2-FSM4.4-2MFK3
			M12 × 1 male - 2 × M12 × 1 female 4/3-pin Rated voltage: 250 V Temperature range: -30 °C...+ 90 °C	6930560	VB2-FSM4.4-2FKM4
			M12 × 1 female - 2 × male M12 × 1 4/3-pin Rated voltage: 250 V Temperature range: -30 °C...+90 °C	6930561	VB2-FKM4.4-2FSM4
			M12 × 1 male - 2 × M12 × 1 female 5/4-pin Rated voltage: 60 V Temperature range: -30 °C...+90 °C	6930562	VB2-FSM5-2FKM4.4
			M12 × 1 male - 2 × M12 × 1 female 5/4-pin Rated voltage: 60 V Temperature range: -30 °C...+90 °C With oval borehole	6930563	VB2-FSM5-2FKM4.4/ S2087
			M12 × 1 male - 2 × M12 × 1 female 4/3-pin Rated voltage: 24 V Temperature range: -30 °C...+90 °C With LED (1 × green, 2 × yellow) Grip: plastic, TPU, black/translucent	6930567	VB2-PX3- FSM4.4-2FKM4

T-Splitter – Without Cable


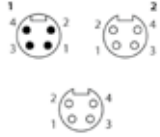


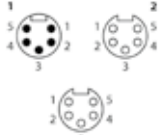

Grip	Plastic, TPU,
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU,
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
Contact resistance	≤ 5 mΩ



Types and Features — Selection Table

Design	Pin Assignment	Graph	Properties	ID number	Type
			M12 × 1 female - M12 × 1 male - M12 × 1 female 4-pin Rated voltage: 250 V Temperature range: -30 °C...+90 °C	6930571	VT2-FKM4.4-FKM4.4-FSM4.4
			M12 × 1 female - M12 × 1 male - M12 × 1 male 4-pin Rated voltage: 250 V Temperature range: -30 °C...+90 °C	6930572	VT2-FKM4.4-FSM4.4-FSM4.4
			M12 × 1 female - M12 × 1 male - M12 × 1 female 5-pin Rated voltage: 60 V Temperature range: -30 °C...+90 °C	6930573	VT2-FKM5-FKM5-FSM5
			M12 × 1 female - M12 × 1 male - M12 × 1 male 5-pin Rated voltage: 60 V Temperature range: -30 °C...+90 °C	6930574	VT2-FKM5-FSM5-FSM5
			M12 × 1 female - M12 × 1 male - M12 × 1 female 8-pin Rated voltage: 30 V Temperature range: -30 °C...+90 °C	6930575	VT2-FKM8-FKM8-FSM8
			T-Splitter for Auxiliary Power 7/8" connector, 3-pin Current load: 9A Rated voltage: 250V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+80 °C	6999031	RSM-2RKM30

Types and Features — Selection Table

Design	Pin Assignment	Graph	Properties	ID number	Type
			<p>T-Splitter for Auxiliary Power 7/8" connector, 4-pin Current load: 9A Rated voltage: 250V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+80 °C</p>	6914828	RSM-2RKM40
			<p>T-Splitter for Supply Voltage 7/8" connector, 5-pin Current load: 9A Rated voltage: 250V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+80 °C</p>	6914950	RSM-2RKM50

h-Splitter – without Cable

Grip	Plastic, TPU, Black
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles



Types and Features — Selection Table

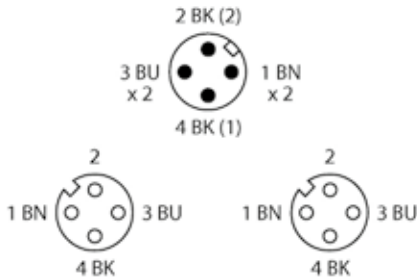
Design	Pin Assignment	Graph	Properties	ID number	Type
			h-Splitter 7/8" connector, 2-pin Current load: 9A Rated voltage: 600V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+105 °C	6934950	XSH-RSM-2RKM20
			h-Splitter 7/8" connector, 3-pin Current load: 9A Rated voltage: 600V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+105 °C	6934951	XSH-RSM-2RKM30
			h-Splitter 7/8" connector, 4-pin Current load: 9A Rated voltage: 600V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+105 °C	6934952	XSH-RSM-2RKM40
			h-Splitter The connector coding is rotated by 180° degrees from the standard 7/8" connector, 4-pin Current load: 9A Rated voltage: 600V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+105 °C	6934953	XSH-RSM-2RKM40/K1T
			h-Splitter 7/8" connector, 5-pin Current load: 9A Rated voltage: 600V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+105 °C	6934954	XSH-RSM-2RKM50
			h-Splitter 7/8" connector, 6-pin Current load: 8A Rated voltage: 600V Protection class NEMA 1, 3, 4, 6P and IEC IP67 Temperature range: -40 °C...+105 °C	6934955	XSH-RSM-2RKM60

Y-Splitter – M12 × 1 to M12 × 1, PUR Cable

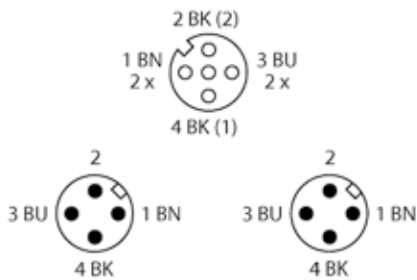
- 4/3-pin
- Series wiring
- Qualified for drag chain use and flame-retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS



VBRS4.4

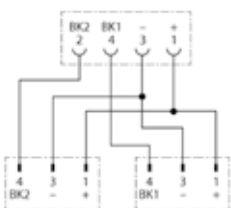


VBRK4.4

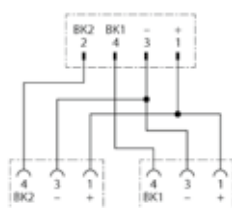


Connector	
Grip	Plastic, TPU, Black
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PUR (Black)
Core insulation	PP
Electrical properties at +20 °C	
Current load	4 A
Rated voltage	250 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km
Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary usage	-50...+80 °C
Non-stationary usage	-25...+80 °C
Drag chain operation	-25...+60 °C


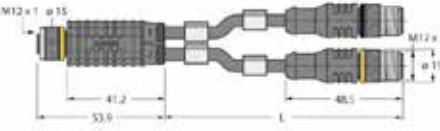
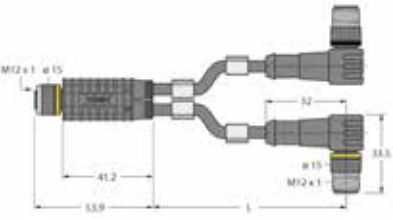
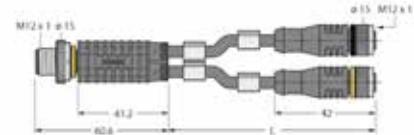
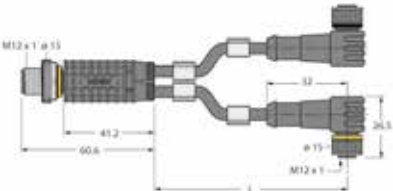
VBRS4.4



VBRK4.4



Types and Features — Selection Table

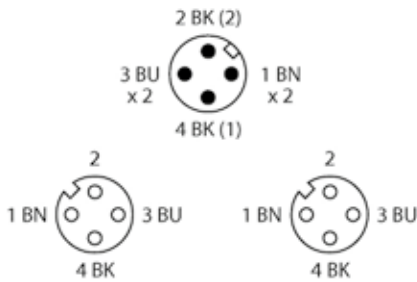
	Design	Cable length [m]	ID number	Type
	Female connector / 2 × male, straight	0.3	6628115	VBRK4.4-2RSC4T-0.3/0.3/TXL
	Female connector / 2 × male, straight	0.6	6628116	VBRK4.4-2RSC4T-0.6/0.6/TXL
	Female connector / 2 × male, straight	1	6628117	VBRK4.4-2RSC4T-1/1/TXL
	Female connector / 2 × male, straight	1.5	6628118	VBRK4.4-2RSC4T-1.5/1.5/TXL
	Female connector / 2 × male, straight	2	6628119	VBRK4.4-2RSC4T-2/2/TXL
	Female connector / 2 × male, straight	5	6628151	VBRK4.4-2RSC4T-5/5/TXL
	Female connector / 2 × male, angled	0.3	6629960	VBRK4.4-2WSC4T-0.3/0.3/TXL
	Female connector / 2 × male, angled	0.6	6629961	VBRK4.4-2WSC4T-0.6/0.6/TXL
	Female connector / 2 × male, angled	1	6629962	VBRK4.4-2WSC4T-1/1/TXL
	Female connector / 2 × male, angled	1.5	6629963	VBRK4.4-2WSC4T-1.5/1.5/TXL
	Female connector / 2 × male, angled	2	6629964	VBRK4.4-2WSC4T-2/2/TXL
	Female connector / 2 × male, angled	5	6629965	VBRK4.4-2WSC4T-5/5/TXL
	Male connector / 2 × female, straight	0.3	6628110	VBRS4.4-2RKC4T-0.3/0.3/TXL
	Male connector / 2 × female, straight	0.6	6628111	VBRS4.4-2RKC4T-0.6/0.6/TXL
	Male connector / 2 × female, straight	1	6628112	VBRS4.4-2RKC4T-1/1/TXL
	Male connector / 2 × female, straight	1.5	6628113	VBRS4.4-2RKC4T-1.5/1.5/TXL
	Male connector / 2 × female, straight	2	6628114	VBRS4.4-2RKC4T-2/2/TXL
	Male connector / 2 × female, straight	5	6628122	VBRS4.4-2RKC4T-5/5/TXL
	Male connector / 2 × female, angled	0.3	6628130	VBRS4.4-2WKC4T-0.3/0.3/TXL
	Male connector / 2 × female, angled	0.6	6628152	VBRS4.4-2WKC4T-0.6/0.6/TXL
	Male connector / 2 × female, angled	1	6628153	VBRS4.4-2WKC4T-1/1/TXL
	Male connector / 2 × female, angled	1.5	6628185	VBRS4.4-2WKC4T-1.5/1.5/TXL
	Male connector / 2 × female, angled	2	6628155	VBRS4.4-2WKC4T-2/2/TXL
	Male connector / 2 × female, angled	5	6628156	VBRS4.4-2WKC4T-5/5/TXL

Y-Splitter – M12 × 1 to M12 × 1, PVC Cable

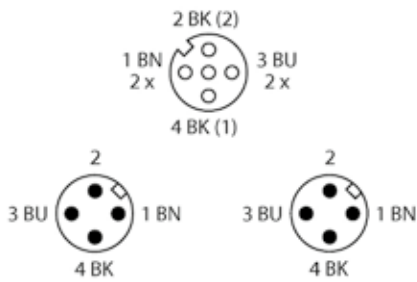
- 4/3-pin
- Series wiring
- Resistant to acids and alkaline solutions
- Resistant to chemicals and oils
- Flame-retardant and free from LABS



VBR54.4

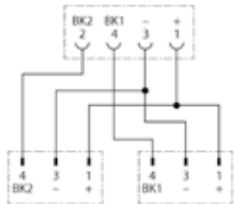


VBRK4.4

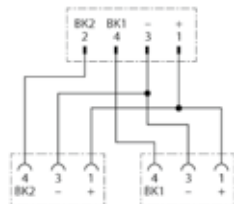


Connector	
Grip	Plastic, TPU, Black
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PVC (Black)
Core insulation	PVC
Electrical properties at +20 °C	
Current load	4 A
Rated voltage	250 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57.1 Ω/km
Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary usage	-40...+105 °C
Non-stationary usage	0...+80 °C


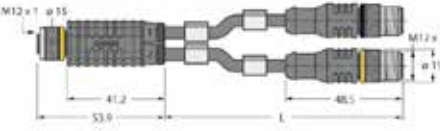
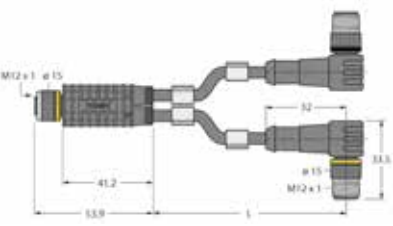
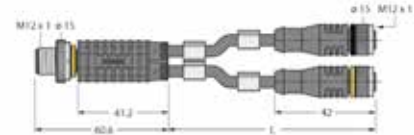
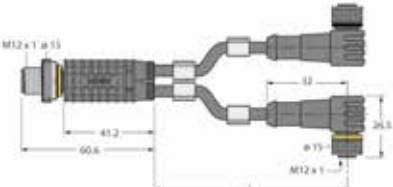
VBR54.4



VBRK4.4



Types and Features — Selection Table

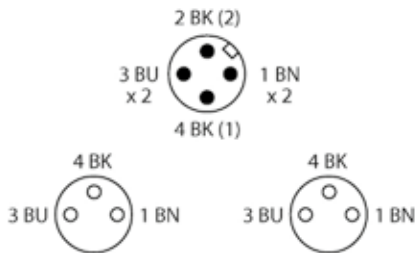
	Design	Cable length [m]	ID number	Type
	Female connector / 2 × male, straight	0.3	6629966	VBRK4.4-2RSC4T-0.3/0.3/TEL
	Female connector / 2 × male, straight	0.6	6629967	VBRK4.4-2RSC4T-0.6/0.6/TEL
	Female connector / 2 × male, straight	1	6629968	VBRK4.4-2RSC4T-1/1/TEL
	Female connector / 2 × male, straight	1.5	6629969	VBRK4.4-2RSC4T-1.5/1.5/TEL
	Female connector / 2 × male, straight	2	6629970	VBRK4.4-2RSC4T-2/2/TEL
	Female connector / 2 × male, straight	5	6629971	VBRK4.4-2RSC4T-5/5/TEL
	Female connector / 2 × male, angled	0.3	6629984	VBRK4.4-2WSC4T-0.3/0.3/TEL
	Female connector / 2 × male, angled	0.6	6629985	VBRK4.4-2WSC4T-0.6/0.6/TEL
	Female connector / 2 × male, angled	1	6629986	VBRK4.4-2WSC4T-1/1/TEL
	Female connector / 2 × male, angled	1.5	6629987	VBRK4.4-2WSC4T-1.5/1.5/TEL
	Female connector / 2 × male, angled	2	6629988	VBRK4.4-2WSC4T-2/2/TEL
	Female connector / 2 × male, angled	5	6629989	VBRK4.4-2WSC4T-5/5/TEL
	Male connector / 2 × female, straight	0.3	6628197	VBR5.4-2RKC4T-0.3/0.3/TEL
	Male connector / 2 × female, straight	0.6	6628198	VBR5.4-2RKC4T-0.6/0.6/TEL
	Male connector / 2 × female, straight	1	6628199	VBR5.4-2RKC4T-1/1/TEL
	Male connector / 2 × female, straight	1.5	6629188	VBR5.4-2RKC4T-1.5/1.5/TEL
	Male connector / 2 × female, straight	2	6629189	VBR5.4-2RKC4T-2/2/TEL
	Male connector / 2 × female, straight	5	6629190	VBR5.4-2RKC4T-5/5/TEL
	Male connector / 2 × female, angled	0.3	6629991	VBR5.4-2WKC4T-0.3/0.3/TEL
	Male connector / 2 × female, angled	0.6	6629992	VBR5.4-2WKC4T-0.6/0.6/TEL
	Male connector / 2 × female, angled	1	6629993	VBR5.4-2WKC4T-1/1/TEL
	Male connector / 2 × female, angled	1.5	6630005	VBR5.4-2WKC4T-1.5/1.5/TEL
	Male connector / 2 × female, angled	2	6629994	VBR5.4-2WKC4T-2/2/TEL
	Male connector / 2 × female, angled	5	6629995	VBR5.4-2WKC4T-5/5/TEL

Y-Splitter – M12 × 1 to M8 × 1, PUR Cable

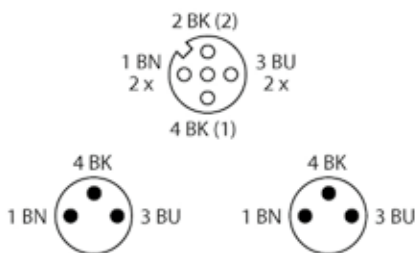
- 4/3-pin
- Series wiring
- Qualified for drag chain use and flame-retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS



VBRS4.4

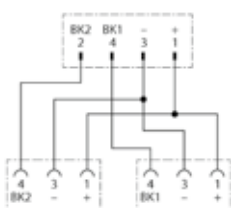


VBRK4.4

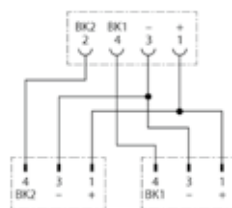


Connector	
Grip	Plastic, TPU, Black
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PUR (Black)
Core insulation	PP
Electrical properties at +20 °C	
Current load	4 A
Rated voltage	60 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km
Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary usage	-50...+80 °C
Non-stationary usage	-25...+80 °C
Drag chain operation	-25...+60 °C


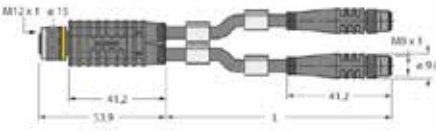
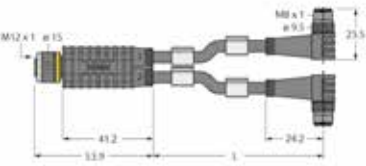
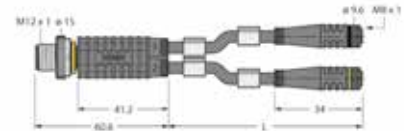
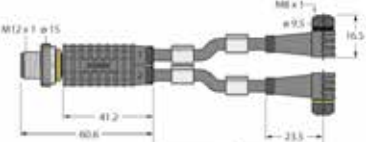
VBRS4.4



VBRK4.4



Types and Features — Selection Table

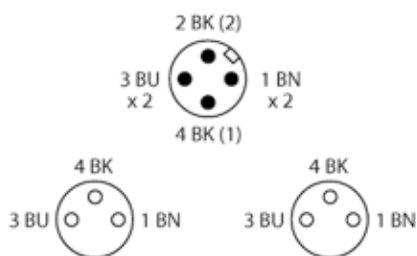
	Design	Cable length [m]	ID number	Type
	Female connector / 2 × male, straight	0.3	6628166	VBRK4.4-2PSG3M-0.3/0.3/TXL
	Female connector / 2 × male, straight	0.6	6628167	VBRK4.4-2PSG3M-0.6/0.6/TXL
	Female connector / 2 × male, straight	1	6628168	VBRK4.4-2PSG3M-1/1/TXL
	Female connector / 2 × male, straight	1.5	6628169	VBRK4.4-2PSG3M-1.5/1.5/TXL
	Female connector / 2 × male, straight	2	6628170	VBRK4.4-2PSG3M-2/2/TXL
	Female connector / 2 × male, straight	5	6628171	VBRK4.4-2PSG3M-5/5/TXL
	Female connector / 2 × male, angled	0.3	6630401	VBRK4.4-2PSW3M-0.3/0.3/TXL
	Female connector / 2 × male, angled	0.6	6630402	VBRK4.4-2PSW3M-0.6/0.6/TXL
	Female connector / 2 × male, angled	1	6630403	VBRK4.4-2PSW3M-1/1/TXL
	Female connector / 2 × male, angled	1.5	6630404	VBRK4.4-2PSW3M-1.5/1.5/TXL
	Female connector / 2 × male, angled	2	6630405	VBRK4.4-2PSW3M-2/2/TXL
	Female connector / 2 × male, angled	5	6630406	VBRK4.4-2PSW3M-5/5/TXL
	Male connector / 2 × female, straight	0.3	6628175	VBRS4.4-2PKG3M-0.3/0.3/TXL
	Male connector / 2 × female, straight	0.6	6628176	VBRS4.4-2PKG3M-0.6/0.6/TXL
	Male connector / 2 × female, straight	1	6628177	VBRS4.4-2PKG3M-1/1/TXL
	Male connector / 2 × female, straight	1.5	6628178	VBRS4.4-2PKG3M-1.5/1.5/TXL
	Male connector / 2 × female, straight	2	6628179	VBRS4.4-2PKG3M-2/2/TXL
	Male connector / 2 × female, straight	5	6628180	VBRS4.4-2PKG3M-5/5/TXL
	Male connector / 2 × female, angled	0.3	6630407	VBRS4.4-2PKW3M-0.3/0.3/TXL
	Male connector / 2 × female, angled	0.6	6630408	VBRS4.4-2PKW3M-0.6/0.6/TXL
	Male connector / 2 × female, angled	1	6630409	VBRS4.4-2PKW3M-1/1/TXL
	Male connector / 2 × female, angled	1.5	6630410	VBRS4.4-2PKW3M-1.5/1.5/TXL
	Male connector / 2 × female, angled	2	6630411	VBRS4.4-2PKW3M-2/2/TXL
	Male connector / 2 × female, angled	5	6630412	VBRS4.4-2PKW3M-5/5/TXL

Y-Splitter – M12 × 1 to M8 × 1, PVC Cable

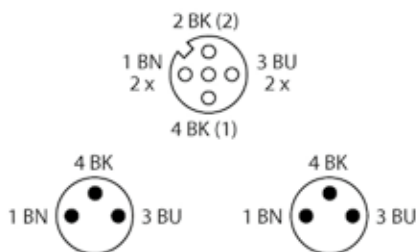
- 4/3-pin
- Series wiring
- Resistant to acids and alkaline solutions
- Resistant to chemicals and oils
- Flame-retardant and free from LABS



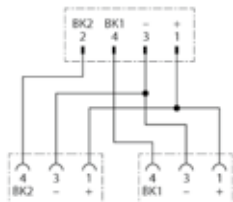
VBR54.4



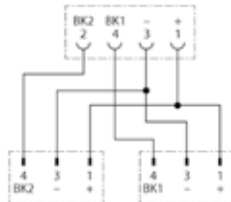
VBRK4.4



VBR54.4


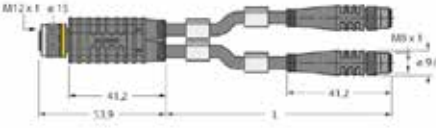
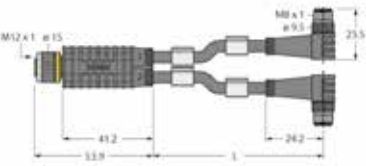
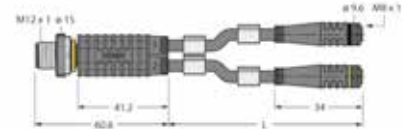
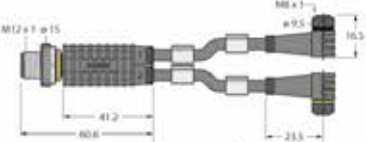


VBRK4.4



Connector	
Grip	Plastic, TPU, Black
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PVC (Black)
Core insulation	PVC
Electrical properties at +20 °C	
Current load	4 A
Rated voltage	60 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57.1 Ω/km
Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary usage	-40...+105 °C
Non-stationary usage	0...+80 °C

Types and Features — Selection Table

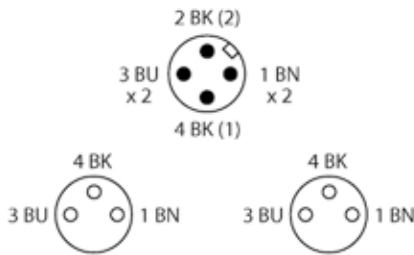
	Design	Cable length [m]	ID number	Type
	Female connector / 2 × male, straight	0.3	6629978	VBRK4.4-2PSG3M-0.3/0.3/TEL
	Female connector / 2 × male, straight	0.6	6629979	VBRK4.4-2PSG3M-0.6/0.6/TEL
	Female connector / 2 × male, straight	1	6629980	VBRK4.4-2PSG3M-1/1/TEL
	Female connector / 2 × male, straight	1.5	6629981	VBRK4.4-2PSG3M-1.5/1.5/TEL
	Female connector / 2 × male, straight	2	6629982	VBRK4.4-2PSG3M-2/2/TEL
	Female connector / 2 × male, straight	5	6629983	VBRK4.4-2PSG3M-5/5/TEL
	Female connector / 2 × male, angled	0.3	6630413	VBRK4.4-2PSW3M-0.3/0.3/TEL
	Female connector / 2 × male, angled	0.6	6630414	VBRK4.4-2PSW3M-0.6/0.6/TEL
	Female connector / 2 × male, angled	1	6630415	VBRK4.4-2PSW3M-1/1/TEL
	Female connector / 2 × male, angled	1.5	6630416	VBRK4.4-2PSW3M-1.5/1.5/TEL
	Female connector / 2 × male, angled	2	6630417	VBRK4.4-2PSW3M-2/2/TEL
	Female connector / 2 × male, angled	5	6630418	VBRK4.4-2PSW3M-5/5/TEL
	Male connector / 2 × female, straight	0.3	6629192	VBRS4.4-2PKG3M-0.3/0.3/TEL
	Male connector / 2 × female, straight	0.6	6629193	VBRS4.4-2PKG3M-0.6/0.6/TEL
	Male connector / 2 × female, straight	1	6629194	VBRS4.4-2PKG3M-1/1/TEL
	Male connector / 2 × female, straight	1.5	6629195	VBRS4.4-2PKG3M-1.5/1.5/TEL
	Male connector / 2 × female, straight	2	6629196	VBRS4.4-2PKG3M-2/2/TEL
	Male connector / 2 × female, straight	5	6629197	VBRS4.4-2PKG3M-5/5/TEL
	Male connector / 2 × female, angled	0.3	6630419	VBRS4.4-2PKW3M-0.3/0.3/TEL
	Male connector / 2 × female, angled	0.6	6630420	VBRS4.4-2PKW3M-0.6/0.6/TEL
	Male connector / 2 × female, angled	1	6630421	VBRS4.4-2PKW3M-1/1/TEL
	Male connector / 2 × female, angled	1.5	6630422	VBRS4.4-2PKW3M-1.5/1.5/TEL
	Male connector / 2 × female, angled	2	6630423	VBRS4.4-2PKW3M-2/2/TEL
	Male connector / 2 × female, angled	5	6630424	VBRS4.4-2PKW3M-5/5/TEL

Y-Splitter – M8 × 1 to Ø 8 mm, PUR Cable, Snap-on Type

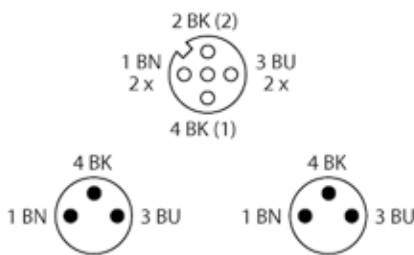
- 4/3-pin
- Series wiring
- Qualified for drag chain use and flame-retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS



VBRS4.4

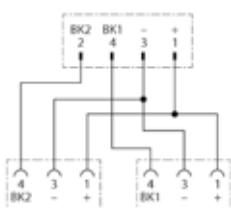


VBRK4.4

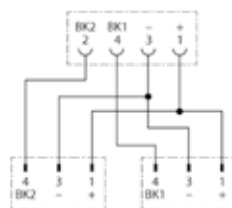


Connector	
Grip	Plastic, TPU, Black
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PUR (Black)
Core insulation	PP
Electrical properties at +20 °C	
Current load	4 A
Rated voltage	60 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km
Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary usage	-50...+80 °C
Non-stationary usage	-25...+80 °C
Drag chain operation	-25...+60 °C


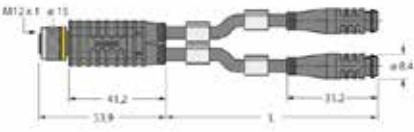
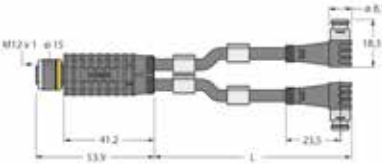
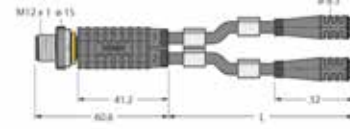
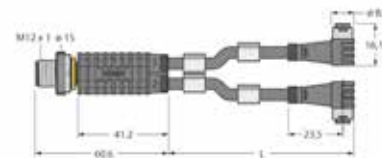
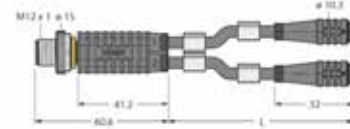
VBRS4.4



VBRK4.4



Types and Features — Selection Table

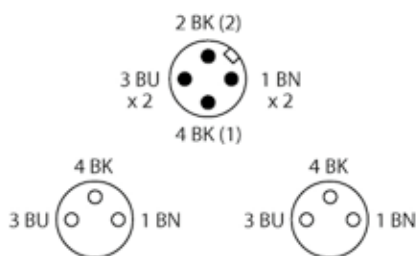
	Design	Cable length [m]	ID number	Type
	Female connector / 2 × male, straight	0.3	6628139	VBRK4.4-2PSG3S-0.3/0.3/TXL
	Female connector / 2 × male, straight	0.6	6628140	VBRK4.4-2PSG3S-0.6/0.6/TXL
	Female connector / 2 × male, straight	1	6628141	VBRK4.4-2PSG3S-1/1/TXL
	Female connector / 2 × male, straight	1.5	6628142	VBRK4.4-2PSG3S-1.5/1.5/TXL
	Female connector / 2 × male, straight	2	6628143	VBRK4.4-2PSG3S-2/2/TXL
	Female connector / 2 × male, straight	5	6628144	VBRK4.4-2PSG3S-5/5/TXL
	Female connector / 2 × male, angled	0.3	6630425	VBRK4.4-2PSW3S-0.3/0.3/TXL
	Female connector / 2 × male, angled	0.6	6630426	VBRK4.4-2PSW3S-0.6/0.6/TXL
	Female connector / 2 × male, angled	1	6630427	VBRK4.4-2PSW3S-1/1/TXL
	Female connector / 2 × male, angled	1.5	6630428	VBRK4.4-2PSW3S-1.5/1.5/TXL
	Female connector / 2 × male, angled	2	6630429	VBRK4.4-2PSW3S-2/2/TXL
	Female connector / 2 × male, angled	5	6630430	VBRK4.4-2PSW3S-5/5/TXL
	Male connector / 2 × female, straight	0.3	6628145	VBRS4.4-2PKG3S-0.3/0.3/TXL
	Male connector / 2 × female, straight	0.6	6628146	VBRS4.4-2PKG3S-0.6/0.6/TXL
	Male connector / 2 × female, straight	1	6628147	VBRS4.4-2PKG3S-1/1/TXL
	Male connector / 2 × female, straight	1.5	6628148	VBRS4.4-2PKG3S-1.5/1.5/TXL
	Male connector / 2 × female, straight	2	6628149	VBRS4.4-2PKG3S-2/2/TXL
	Male connector / 2 × female, straight	5	6628150	VBRS4.4-2PKG3S-5/5/TXL
	Male connector / 2 × female, angled	0.3	6630431	VBRS4.4-2PKW3S-0.3/0.3/TXL
	Male connector / 2 × female, angled	0.6	6630432	VBRS4.4-2PKW3S-0.6/0.6/TXL
	Male connector / 2 × female, angled	1	6630433	VBRS4.4-2PKW3S-1/1/TXL
	Male connector / 2 × female, angled	1.5	6630434	VBRS4.4-2PKW3S-1.5/1.5/TXL
	Male connector / 2 × female, angled	2	6630435	VBRS4.4-2PKW3S-2/2/TXL
	Male connector / 2 × female, angled	5	6630436	VBRS4.4-2PKW3S-5/5/TXL
	Male connector / 2 × female, straight	0.3	6630455	VBRS4.4-2PKG3Z-0.3/0.3/TXL
	Male connector / 2 × female, straight	0.6	6630456	VBRS4.4-2PKG3Z-0.6/0.6/TXL
	Male connector / 2 × female, straight	1	6630457	VBRS4.4-2PKG3Z-1/1/TXL
	Male connector / 2 × female, straight	1.5	6630458	VBRS4.4-2PKG3Z-1.5/1.5/TXL
	Male connector / 2 × female, straight	2	6630459	VBRS4.4-2PKG3Z-2/2/TXL
	Male connector / 2 × female, straight	5	6630460	VBRS4.4-2PKG3Z-5/5/TXL

Y-Splitter – M8 × 1 to Ø 8 mm, PVC Cable, Snap-on Type

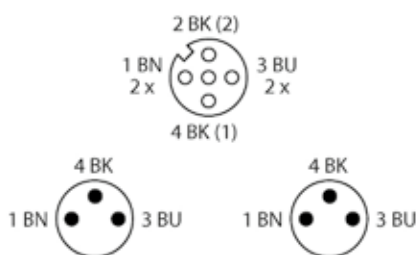
- 4/3-pin
- Series wiring
- Resistant to acids and alkaline solutions
- Resistant to chemicals and oils
- Flame-retardant and free from LABS



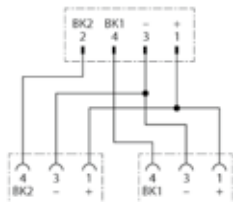
VBR54.4



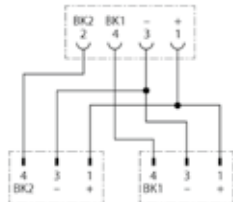
VBRK4.4



VBR54.4



VBRK4.4



Connector	
Grip	Plastic, TPU, Black
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Protection class	IP67 (only when screwed tight)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PVC (Black)
Core insulation	PVC
Electrical properties at +20 °C	
Current load	4 A
Rated voltage	60 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57.1 Ω/km
Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary usage	-40...+105 °C
Non-stationary usage	0...+80 °C