



Y- and T-splitters

Splitter for signal consolidation and structured cabling

SICK
Sensor Intelligence.



Product description

When wiring devices, one or more branches are often necessary, e.g., for collecting, connecting or distributing signals.

An attractive solution for optimizing the wiring in these cases is the use of a Y- or T-piece, as these splitters enable a fast and reliable connection.

SICK offers a wide range of different variants as well as the ability to implement custom solutions quickly and efficiently.

At a glance

- Y and T designs for different cable runs
- With or without cable branching
- M8 and M12 connection
- 3-, 4-, 5- and 8-pin plug connectors

Your benefits

- Sicherheit – Professionelle Umsetzung individueller und komplexer Lösungen
- Robustheit – Beständig gegen diverse Substanzen, mechanische Belastungen und Umwelteinflüsse
- Flexibilität – Kundenspezifische Lösungen auf Anfrage
- Bauform – Kompakt, platzsparend und flexibel einsetzbar
- Installation – Kosten- und materialoptimiert
-

Ordering information

Other models and accessories → www.sick.com/Y-_and_T-splitters

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** male connector, M12, 5-pin, A-coded
- **Connection type head C:** female connector, M12, 5-pin, A-coded

Description	Note	Type	Part no.
T-piece for simultaneous connection to sender and receiver, splits the cable from the control cabinet to the sender and receiver	5-pin	DSC-1205T000025KM0	6030664

- **Connection type head A:** female connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded
- **Connection type head C:** male connector, M12, 8-pin, A-coded

Description	Note	Type	Part no.
–	Male connector M12, 8-pin, straight, to 1 x female connector M12, 8-pin, straight and 1 x female connector M12, 8-pin, straight	SBO-02F12-SM	6029306
T-distributor for simultaneous connection to sender and receiver, splits the cable from the control cabinet between the sender and receiver	8-pin	DSC-1208T000025KM0	6058647

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M8, 3-pin
- **Connection type head C:** female connector, M8, 3-pin

Type	Part no.
SBO-02C08-SF	6028393

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 3-pin, A-coded
- **Connection type head C:** female connector, M12, 3-pin, A-coded

Cable	Type	Part no.
2 m	SBO-02C12-KC02	6034489

Y- and T-splitters

- **Connection type head A:** male connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded
- **Connection type head C:** female connector, M12, 5-pin, A-coded

Description	Type	Part no.
-	SAC-5P-M12Y / 2xM12FS VP	6026517
	SBO-02C12-SF	6041320
	SBO-02D12-SF	6028392
Male insert rotated by 90°	SBO-02D12-SFS01	6041319

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded
- **Connection type head C:** female connector, M12, 4-pin, A-coded

Signal type	Cable	Description	Note	Type	Part no.
Sensor/actuator cable	0.11 m, PVC	Sensor/actuator cable, Y-Junction, 2 x female connector M12, 4-pin, straight, 0.11 m PVC-cable, 1 x male connector M12, 4-pin, straight, to connect SICK Sensors with SICK Smart Sensors	T-coupler 2 x M12 female + M12 male straight with cable	SYL-1204-G0M11-X1	6055011

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M8, 4-pin, A-coded
- **Connection type head C:** female connector, M8, 4-pin, A-coded

Signal type	Cable	Description	Note	Type	Part no.
Sensor/actuator cable	0.11 m, PVC	Sensor/actuator cable,	Slim-line T-piece, 2 x M8	SYL-8204-G0M11-X2	6055012

Signal type	Cable	Description	Note	Type	Part no.
		Y-distribution, 2 x M8 female connectors, 4-pin, straight, 0.11 m, PVC cable, 1 x M12 male connector, 4-pin, straight, connects a SICK sensor to a SICK Smart sensor; Female connector brassed (A): Auxiliary sensor; Female connector nickel-plated (B): Smart Sensor; Male connector nickel-plated (C): IO-Link master/PLC	female connector + M12 male connector with cable		

- **Connection type head A:** male connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded
- **Connection type head C:** female connector, M12, 4-pin, A-coded

Signal type	Cable	Description	Type	Part no.
Sensor/actuator cable	0.15 m, 4-wire, PUR	Sensor/actuator cable, unshielded	YF2A17-C15S01MY2AX	2143264

Y- and T-splitters

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, D-coded
- **Connection type head C:** female connector, M12, 8-pin, A-coded

Signal type	Cable	Description	Type	Part no.
Sensor/actuator cable	0.15 m, 4-wire, PUR, halogen-free	Sensor/actuator cable, shielded	YF2A28-C15S01XY2C4	2122940

- **Connection type head A:** female connector, M8, 4-pin, A-coded
- **Connection type head B:** male connector, M8, 3-pin, A-coded
- **Connection type head C:** male connector, M8, 3-pin, A-coded

Signal type	Description	Application	Type	Part no.
Sensor/actuator cable	Sensor/actuator cable	Zones with oils and lubricants	YF8U14-000S01MY8A3	2107428

- **Connection type head A:** male connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded
- **Connection type head C:** female connector, M12, 4-pin, A-coded

Signal type	Description	Application	Type	Part no.
Sensor/actuator cable	Sensor/actuator cable	Zones with oils and lubricants	YM2A15-000S01FY2A4	2099600

- **Connection type head A:** male connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded
- **Connection type head C:** female connector, M12, 3-pin, A-coded

Signal type	Description	Application	Type	Part no.
Sensor/actuator cable	Sensor/actuator cable	Zones with oils and lubricants	YM2A15-000S01FY2A5	2099606

- **Connection type head A:** male connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded
- **Connection type head C:** female connector, M12, 8-pin, A-coded
- **Signal type:** Sensor/actuator cable
- **Description:** Sensor/actuator cable
- **Application:** Zones with oils and lubricants

Type	Part no.
YM2A18-000000FY2A8	2114648
YM2A28-000000FY2A8	2123351

- **Connection type head A:** male connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 6-pin, A-coded
- **Connection type head C:** female connector, M12, 2-pin, A-coded

Signal type	Description	Application	Type	Part no.
Sensor/actuator cable	Sensor/actuator cable	Zones with oils and lubricants	YM2A18-000S01FY2A8	2103333

- **Connection type head A:** male connector, M8, 4-pin, A-coded
- **Connection type head B:** female connector, M8, 3-pin, A-coded
- **Connection type head C:** female connector, M8, 3-pin, A-coded

Signal type	Cable	Description	Application	Type	Part no.
Sensor/actuator cable	0.3 m, 3-wire, PUR, halogen-free	Sensor/actuator cable, unshielded	Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	YM8U14-C30UA1FY8A3	2122298

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** male connector, 7/8", 5-pin
- **Connection type head C:** female connector, 5-pin

Signal type	Description	Type	Part no.
DeviceNet™, CANopen	DeviceNet™, CANopen	SDO-02D78-SF	6028330

- **Connection type head A:** female connector, M12, 4-pin, A-coded
- **Connection type head B:** male connector, M12, 4-pin, A-coded
- **Connection type head C:** male connector, M12, 4-pin, A-coded

Signal type	Cable	Description	Note	Type	Part no.
Sensor/actuator cable	0.3 m, PVC	Sensor/actuator cable	Female connector M12, 4-pin, straight to 2 x male connector M12, 4-pin, straight	SYL-1205-G0M3	6043534

Y- and T-splitters

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded
- **Connection type head C:** male connector, M12, 4-pin, A-coded
- **Signal type:** Sensor/actuator cable
- **Description:** Sensor/actuator cable
- **Application:** Zones with oils and lubricants

Cable	Note	Type	Part no.
0.3 m	Signal interrogation and logic interrupt, female connector M12, 4-pin to 2 x male connector M12, 4-pin	DSL-1104-TOM3	6011683
2 m	-	JD4-TM122000D	4054495

- **Connection type head A:** female connector, M8, 4-pin
- **Connection type head B:** male connector, M8, 3-pin
- **Connection type head C:** male connector, M8, 3-pin

Signal type	Cable	Description	Note	Type	Part no.
Sensor/actuator cable	0.04 m	Sensor/actuator cable	Female connector M8, 4-pin, straight to 2 x male connector M8, 3-pin, straight	SBO-02C08-KBD	6033794

- **Connection type head A:** M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded
- **Connection type head C:** male connector, M12, 4-pin, A-coded

Signal type	Cable	Description	Note	Application	Type	Part no.
Sensor/actuator cable	0.3 m, PUR	Sensor/actuator cable	Signal interrogation, female connector M12, 4-pin to 2 x male connector	Zones with oils and lubricants	DSL-1204-TOM3	6011682

Signal type	Cable	Description	Note	Application	Type	Part no.
			M12, 4-pin			

- **Connection type head A:** male connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded
- **Connection type head C:** male connector, M12, 8-pin, A-coded

Description	Note	Type	Part no.
T-junction	Parallel connected	SBO-02F12-SF	6026503

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded
- **Connection type head C:** male connector, M12, 5-pin, A-coded

Note	Type	Part no.
Male connector M12, 5-pin, to 1 x female connector M12, 8-pin, to 1 x female connector M12, 5-pin, for connecting on IO-Link-Master	SBO-02F12-SM2	6053283

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded
- **Connection type head C:** male connector, M12, 8-pin, A-coded

Note	Type	Part no.
Male connector M12, 8-pin, to 1 x female connector M12, 8-pin, to 1 x female connector M12, 5-pin, for connecting of a PLC	SBO-02F12-SM1	6053172

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded
- **Connection type head C:** male connector, M12, 5-pin, A-coded

Note	Type	Part no.
Master Interface - Type, Connector A - Pole Count, Ports - Pole Count	SBO-02G12-SM	6029305

- **Connection type head A:** male connector, Micro D-Sub, 15-pin, angled
- **Connection type head B:** 2 x female connector, M12, 8-pin, straight
- **Description:** Galvanized copper braiding, opt. density approx. 85%, For connecting the Motion Control Module FX3-MOC with two HTL, TTL, or sin/cos encoders

Cable	Type	Part no.
0.3 m, for details see dimensional drawings, PVC	FX3-MOC Y-CABLE	2116199
0.5 m, for details see dimensional drawings, PVC	FX3-MOC Y-CABLE	2123169
0.6 m, for details see dimensional drawings, PVC	FX3-MOC Y-CABLE	2094381

Y- and T-splitters

Cable	Type	Part no.
1 m, for details see dimensional drawings, PVC	FX3-MOC Y-CABLE	2121172
2.4 m, for details see dimensional drawings, PVC	FX3-MOC Y-CABLE	2117540
3.4 m, for details see dimensional drawings, PVC	FX3-MOC Y-CABLE	2117541
3 m, for details see dimensional drawings, PVC	FX3-MOC Y-CABLE	2100634

- **Connection type head A:** male connector, Micro D-Sub, 15-pin, angled
- **Connection type head B:** 2x cables, 8-wire

Cable	Description	Type	Part no.
1.7 m, for details see dimensional drawings, PVC	Galvanized copper braiding, opt. density approx. 85%, For connecting the Motion Control Module FX3-MOC with two HTL, TTL, or sin/cos encoders	FX3-MOC Y-CABLE	2121173

Cable	Description	Note	Type	Part no.
-	-	Male connector M12, 4-pin, straight, A-coded to 2 x female connector M12, 5-pin, straight, A-coded	T-junctions	6058934
	Connector for cascading safe multibeam scanners Connection option for 2 scanGrid2 units or connection option for 1 scanGrid2 unit and 1 additional Multi Sensor Connector.	-	scanGrid2 Multi Sensor Connector	2118543
	Connector for connecting 2 muting sensors and a muting lamp to a safety light curtain or a multiple light beam safety device	-	Muting connector	2092758
	Connector for connecting an IO-Link master and up to 2 muting sensors to a safety light curtain or a multiple light beam safety device	-	IO-Link connector	2092757
	Node for voltage supply	-	MLP1-XXN	1078202
	The pushbutton	-	T-connector with pushbutton for laser alignment aid, M12, 5-pin	2077933

Cable	Description	Note	Type	Part no.
	combined with the M12 5-pin T-connector makes it possible to switch the laser alignment aid integrated in the deTec4 sender on and off and serves as a T-connector for simultaneous connection to the sender and receiver, splits the cable coming from the control cabinet between the sender and receiver.			
PVC	Unshielded, converting 12-pin to 8-pin connection	Converter between Inspector and ICL illumination, T-splitter to convert 12-pin to 8-pin, M12, 12-pin female, M12, 12-pin male, M12, 8-pin female	T distributor for Inspector	6034950

- **Connection type head A:** male connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded
- **Connection type head C:** female connector, M12, 8-pin, A-coded

Description	Note	Type	Part no.
T-connector for safe series connection	M12 male connector, 5-pin, A-coded, on 1 x M12 female connector, 5-pin, A-coded, on 1 x M12 female connector, 8-pin, A-coded	STR1-XXA	5339609

- **Connection type head A:** female connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, D-coded
- **Connection type head C:** male connector, M12, 4-pin, A-coded

Description	Type	Part no.
Y-distribution, 1 x M12 male connector, 4-pin, A-coded, 1 x M12 female connector, 5-pin, D-coded, 1 x M12 female connector, 8-pin, A-coded	SYL-1208-GOM	6064008

- **Connection type head A:** female connector, M12, 5-pin, straight, A-coded
- **Connection type head B:** female connector, M12, 5-pin, straight, A-coded

Signal type	Cable	Description	Application	Type	Part no.
CAN, Power	0.5 m, 5-wire	CAN, Power, Y-CAN cable	Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	Y-CAN cable	6027647

- **Connection type head A:** male connector, M12, 5-pin
- **Connection type head B:** male connector, M12, 5-pin

Signal type	Description	Application	Type	Part no.
CAN, Power	CAN, Power, Y-CAN cable	Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	Y-CAN cable	6042167

- **Connection type head A:** female connector, M12, 5-pin
- **Connection type head B:** male connector, M12, 5-pin

Signal type	Description	Application	Type	Part no.
CAN, Power	CAN, Power, Y-CAN cable	Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	Y-CAN cable	6053676

Y- and T-splitters

- **Connection type head A:** female connector, M12, 5-pin, straight
- **Connection type head B:** male connector, M12, 5-pin, straight

Signal type	Cable	Description	Application	Type	Part no.
CAN, Power	0.5 m	CAN, Power, Y-CAN cable	Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	Y-CAN cable	6083185

- **Connection type head A:** female connector, M12, 8-pin, A-coded
- **Connection type head B:** Flying leads
- **Connection type head C:** Flying leads

Cable	Description	Type	Part no.
2 m, PUR	Twisted pairs, shielded	YF2A28-020XXXXLEAX Y-junctions	6048329

- **Connection type head A:** female connector, M12, 8-pin, straight, A-coded
- **Connection type head B:** male connector, M12, 8-pin, straight, A-coded
- **Connection type head C:** female connector, M8, 4-pin, A-coded

Signal type	Items supplied	Cable	Description	Type	Part no.
Sensor/actuator	Cable A: YM2A28-C20UA6F2A (6079346) Cable B: YM2A18-C20UA3F8U (6079404) Y-distributor: YM2A28-000000 (2123351)	0.2 m	Sensor/actuator cable, Y-distribution, 1 x female connector M12, 8-pin, straight, 1 x male connector M12, 8-pin, straight, 1 x female connector M8, 4-pin, straight, 0.2 m	YM2A28-C20S01MYAAX	2124388

Signal type	Items supplied	Cable	Description	Type	Part no.
			PUR cable for providing trigger signal for NCV50		

- **Connection type head A:** female connector, D-Sub, 9-pin
- **Connection type head B:** male connector, RJ45

Signal type	Cable	Description	Note	Type	Part no.
RS-232 TTL	2.4 m	RS-232 TTL, unshielded	External power supply unit required, connection at the D-Sub present	Connection cable (male connector - female connector)	6033047

- **Connection type head A:** female connector, D-Sub, 9-pin, straight
- **Connection type head B:** male connector, RJ45, straight

Signal type	Cable	Description	Note	Type	Part no.
RS-422 TRUE	4.5 m, coiled cable	RS-422 TRUE, unshielded	Additional power supply unit required (42203758-0)	Connection cable (male connector - female connector)	6025954

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com