



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
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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:** female connector, M12, 5-pin, A-coded

Connection type head C	Cable	Description	Note	Application	Type	Part no.
–	0.5 m, 5-wire	Y-CAN cable	–	Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	Y-CAN cable	6027647
Male connector, M12, 4-pin, A-coded	–	Unshielded	Master Interface - Type, Connector A - Pole Count, Ports - Pole Count	–	SBO-02G12-SM	6029305
Male connector, M12, 5-pin, A-coded	–	Unshielded, 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
	0.5 m	Shielded, 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:** female connector, M12, 8-pin, A-coded

Connection type head C	Description	Note	Type	Part no.
Male connector, M12, 8-pin, A-coded	Unshielded, 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, A-coded

Connection type head C	Description	Type	Part no.
Female connector, M8, 3-pin, A-coded	Unshielded	SB0-02C08-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	Cable	Description	Type	Part no.
Female connector, M12, 3-pin, A-coded	2 m	Unshielded	SB0-02C12-KC02	6034489

- **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
- **Description:** unshielded

Application	Type	Part no.
–	SB0-02C12-SF	6041320
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	Description	Application	Type	Part no.
Female connector, M12, 3-pin, A-coded	Unshielded	Zones with oils and lubricants	YM2A15-000S01FY2A5	2099606
Female connector, M12, 5-pin, A-coded	–	–	SAC-5P-M12Y / 2xM12FS VP	6026517
	Male insert rotated by 90°, unshielded	–	SB0-02D12-SFS01	6041319
	Unshielded	–	SB0-02D12-SF	6028392

Connection type head C	Description	Application	Type	Part no.
Male connector, M12, 5-pin, A-coded	Y-CAN cable	Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	Y-CAN cable	6042167

- **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	Cable	Description	Note	Application	Type	Part no.
Female connector, M12, 4-pin, A-coded	0.11 m, PVC	Unshielded, 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
Male connector, M12, 4-pin, A-coded	0.3 m	Unshielded	Signal interrogation and logic interrupt, female connector M12, 4-pin to 2 x male connector M12, 4-pin	Zones with oils and lubricants	DSL-1104-T0M3	6011683
	0.3 m, PUR	Unshielded	Signal interrogation, female connector M12, 4-pin to 2 x male connector	Zones with oils and lubricants	DSL-1204-T0M3	6011682

Conne- ction type head C	Cable	Descrip- tion	Note	Appli- cation	Type	Part no.
			tor M12, 4-pin			

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

Conne- ction type head C	Cable	Descrip- tion	Note	Type	Part no.
Female connector, M8, 4-pin, A-coded	0.11 m, PVC	Unshielded, Y-distribu- tion, 2 x M8 female connec- tors, 4-pin, straight, 0.11 m, PVC cable, 1 x M12 male con- nector, 4-pin, straight, connects a SICK sen- sor to a SICK Smart sensor; Female connector brassed (A): Auxiliary sensor; Fe- male con- nector nick- el-plated (B): Smart Sensor; Male con- nector nick- el-plated (C): IO- Link mas- ter/ PLC	Slimline T-piece, 2 x M8 female connector + M12 male connector with cable	SYL-8204-G0M11-X2	6055012

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

Connection type head C	Cable	Description	Type	Part no.
Male connec- tor, M12, 1- pin, A-coded	0.15 m, 4- wire, PUR	Unshielded	YF2A17-C15S01MY2AX	2143264

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

Cable	Description	Type	Part no.
–	Shielded, 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-G0M	6064008
0.15 m, 4-wire, PUR, halogen-free	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
- **Description:** unshielded

Cable	Note	Application	Type	Part no.
–	–	Zones with oils and lubricants	YF8U14-000S01MY8A3	2107428
0.04 m	Female connector M8, 4-pin, straight to 2 x male connector M8, 3-pin, straight	–	SBO-02C08-KBD	6033794

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

Con- nec- tion type head C	Items sup- plied	Cable	De- scrip- tion	Note	Appli- cation	Type	Part no.
Female con- nector, M12, 8- pin, A- coded	–	–	Shield- ed	–	Zones with oils and lubri- cants	YM2A28-000000FY2A8	2123351
			Un- shield- ed	–	Zones with oils and lubri- cants	YM2A18-000000FY2A8	2114648
Female con- nector, YM2A28- M8, 4C20UA6F2A pin, A- (6079346 coded	Cable A: YM2A28- M8, 4C20UA6F2A pin, A- (6079346 coded cable B: YM2A18- C20UA3F8U (6079404	0.2 m	Shield- ed, Y- distrib- ution, 1 x female con- nector M12, 8-pin,	–	–	YM2A28-C20S01MYAAX	2124388

Con- nec- tion type head C	Items sup- plied	Cable	De- scrip- tion	Note	Appli- cation	Type	Part no.
YM2A28-000000 (2123351)	Y- distrib- utor:		straight, 1 x male con- nector M12, 8-pin, straight, 1 x female con- nector M8, 4-pin, straight, 0.2 m PUR cable for pro- viding trigger signal for NCV50				
Male con- nector, M12, 8- pin, A- coded	–	–	T-junc- tion	Paral- lel con- nected	–	SBO-02F12-SF	6026503

- **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	Description	Application	Type	Part no.
Female connec- tor, M12, 2- pin, A-coded	Unshielded	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

Conne- ction type head C	Cable	Descrip- tion	Appli- cation	Type	Part no.
Female connector, M8, 3-pin, A-coded	0.3 m, 3-wire, PUR, halo- gen-free	Unshielded	Unconta- minated 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:** female connector, 7/8", 5-pin

Connection type head C	Description	Type	Part no.
Male connector, 7/8", 5-pin	Unshielded	SDO-02D78-SF	6028330

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

Connection type head C	Cable	Description	Note	Type	Part no.
Male connector, M12, 3-pin, A-coded	0.3 m, PVC	Unshielded	Female connector M12, 4-pin, straight to 2 x male connector M12, 4-pin, straight	SYL-1205-G0M3	6043534

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

Connection type head C	Description	Note	Type	Part no.
Male connector, M12, 8-pin, A-coded	Unshielded	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

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

Connection type head C	Note	Type	Part no.
Male connector, M12, 5-pin, A-coded	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
Male connector, M12, 7-pin, A-coded	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:** male connector, D-Sub, 15-pin, Form A
- **Connection type head B:** female connector, M12, 8-pin, A-coded

Connection type head C	Cable	Description	Type	Part no.
Female connector, M12, 8-pin, A-coded	0.6 m, for details see dimensional drawings, PVC	Shielded, For connecting the Motion Control Module FX3-MOC with two HTL, TTL, or sin/cos encoders	FX3-MOC Y-CABLE	2094381

- **Connection type head A:** male connector, D-Sub, 15-pin
- **Connection type head B:** female connector, M12, 8-pin, A-coded
- **Connection type head C:** female connector, M12, 8-pin, A-coded
- **Description:** shielded, 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
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, M12, 2-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded

Connection type head C	Cable	Description	Application	Type	Part no.
Male connector, M12, 4-pin, A-coded	2 m, PVC	Unshielded	Zones with oils and lubricants	JD4-TM122000D	4054495

- **Connection type head A:** female connector, M12, 7-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded

Connection type head C	Description	Note	Type	Part no.
Male connector, M12, 5-pin, A-coded	Unshielded, 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, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded

Connection type head C	Description	Note	Type	Part no.
Male connector, M12, 2-pin, A-coded	Unshielded	Male connector M12, 4-pin, straight, A-coded to 2 x female connector M12, 5-pin, straight, A-coded	T-junctions	6058934

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

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

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

Connection type head C	Cable	Description	Type	Part no.
Flying leads	2 m, PUR	Shielded, Twisted pairs, shielded	YF2A28-020XXXXLEAX Y-junctions	6048329

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

Cable	Note	Type	Part no.
2.4 m	External power supply unit required, connection at the D-Sub present	Connection cable (male connector - female connector)	6033047
4.5 m, coiled cable	Additional power supply unit required (42203758-06E)		6025954

- **Connection type head A:** female connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 12-pin, A-coded

Connection type head C	Cable	Description	Note	Type	Part no.
Male connector, M12, 12-pin, A-coded	PVC	Shielded, converting 12-pin to 8-pin connection	Converter between Inspector and ICL illumination, T-splitter to convert 12-pin to 8-pin, M12, 12-	T distributor for Inspector	6034950

Conne- ction type head C	Cable	Descrip- tion	Note	Type	Part no.
			pin female, M12, 12- pin male, M12, 8- pin female		

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.”

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