

#### M12 male 0° / male 0° X-cod. shielded

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 2m

Art.No.: 7700-51001-S4X0200

Weight: 0.163 kg Country of origin: CZ

Model designation: MSXAL0-XA-08D S4X 2.0-ZS

## Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

### **Product details:**

**Ethernet CAT6A** Male straight - male straight M12 - M12, 8-pole X-coded without cable sleeves Shielded

Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

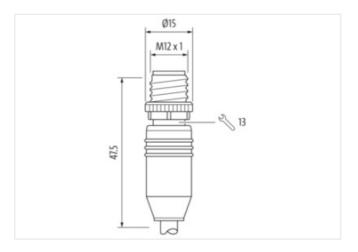
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

### **Link to Product**

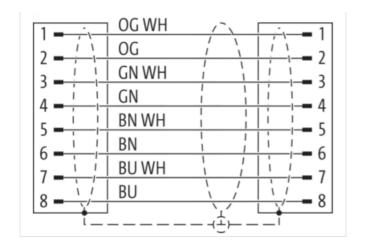
# Illustration

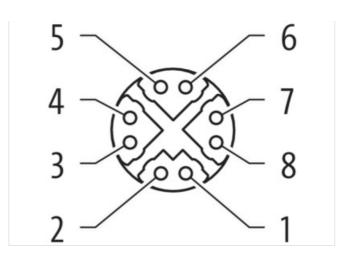


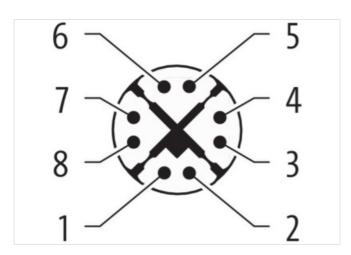


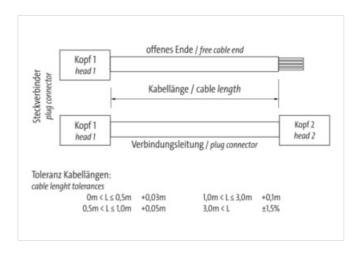


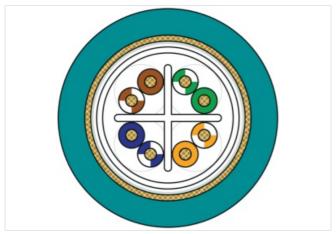
stay connected

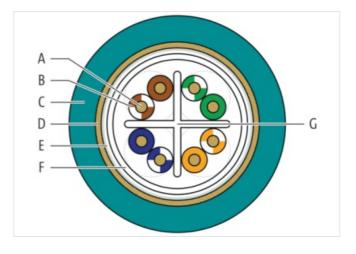












Product may differ from Image











EtherNet/IP

Header						
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Material short text MSXAL0-XA-08D\_S4X\_2.0-ZS

Cable length 2,00 m

Side 1



stay connected

Nix of poles         8           Conding         X           Canding         male           Mounting method         inserted, screwed           Threaded hole         M12 X I           Tiplateing strupe         0.8 Mm           With across fists         SW13           Cable outlet         attraget           Material contact         Copper alloy           Coating contact         god plated           Person of proteon (EN IEC 65529)         P67           Side 2         P7           Family construction form         M12           No. of poles         8           Coding         X           Gorder         male           Mounting method         inserted, screwed           Mounting method         inserted, screwed           Multing method         inserted, screwed           With across fists         SW13           Cable outlet         attraget           Material contact         Copper alloy           Coaling contact         god plated           Degree of proteotor, IEN IEC 65529)         P67           Commercial data         P1           Commercial data         P1           URL Witshop         ht	Family construction form	M12		
Coding         X           Gender         male           Mounting method         meerfed, screwed           Threaded hole         M12 x 1           Tightening torque         0.6 Nm           With across flata         SVI 3           Cable outlet         straight           Material         PUR           Material contact         Opper alley           Coating contact         gold plated           Degree of protection (EN IEC 05529)         IP7           Side 2         ************************************	No. of poles	8		
Gender         male           Mounting method         inserted, sorewed           Tribeted hole         M12 x 1           Tightening torque         0.6 Nm           Worth across flats         SW13           Cable outlet         straight           Material contact         Copper alloy           Coulting control         goal patiet           Degree of proteion (RN IEC 90529)         IPG7           Side 2         Ferrogenee of proteion (RN IEC 90529)           Family construction form         M12           No. of police         8           Coding         X           Cending         X           Gender         male           Manning method         inserted, sorewed           Mounting method         inserted, sorewed           Tribesaded Incle         M12 x 1           Tightening torque         0.6 Nm           Worth across flats         SW13           Cable outlet         arraight           Material         PUR           Material         PUR           Material         PUR           Material         PUR           Material         PUR           Collasse Goal         27061801				
Mounting method   Miz x 1   Tipteening trouber   Miz x 1   Tipteening troupe   0.6 km   Miz x 1   Tipteening troupe   0.6 km   Miz x 1   Tipteening troupe   0.6 km   Miz x 1   Tipteening trouber   Miz x 1   Miz x 1				
Treated hole         M12 x I           Tightening torque         0,8 Nm           Witth across filats         SW13           Cable outlet         straight           Material         PUR           Material contact         Copper aloy           Degree of protection (EN IEC 60529)         IPO*           Side 2           Family construction form         M12           No. ot polius         8           Coding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tightering torque         0,6 Nm           Width across filats         SW13           Cable outlet         straight           Material contact         Copper alloy           Coating contact         gid plated           Degree of protection (EN IEC 60529)         IPO*           URL Webshop         Mtps://shop.murrelektronk.com/7700 51001 S4X0200           GTIN         4048879698951           ECLASS-0.0         27068007           ECLASS-8.0         27068007           ECLASS-8.0         27068007           ECLASS-9.0         27068007           ECL				
Tightening torque         0.6 Nm           Width across flats         SW13           Cable outlet         straight           Material         PUR           Material contact         Coper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Side 2         ************************************		·		
Width across lates         SW13           Cable outlet         straight           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 80529)         IPS7           Side 2         Family construction form           M12         No. of poles           No. of poles         8           Coding         X           Gender         male           Mounting method         insented, scrowed           Threaded table         M12 x 1           Typtening torque         0,6 Nm           Width across fasts         SW13           Cable outlet         straight           Material         PUR           Material				
Cable outlet         straight           Material         PUR           Material contact         Copper alloy           Casting contact         gold plated           Degree of protection (EN IEC 66529)         IP67           Side 2           Family construction form         M12           No. of poles         8           Gooding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Typitoming borque         0.8 Nm           Width across flats         SW13           Cable outlet         straight           Material contact         Copper alloy           Coaling contact         Quod plated           Degree of protection (EN IEC 60528)         IP67           Commercial dist         URL Webshap         https://shop.murrelektronk.com/7700-51001-S4X0200           CTIN         44488*989851         ECLASS-6.           ECLASS-6.         27061801         ECLASS-6.           ECLASS-7.         27060307         ECLASS-1.           ECLASS-8.1         27060307         ECLASS-1.           ECLASS-1.0         27060307         ECLASS-1.0		·		
Material contact         Copper alloy           Casting contact         opd palled           Degree of protection (EN IEC 80529)         IP67           Side 2         Termily construction form           No. of poles         8           Coding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tiptering torque         0.8 Nm           Width across flats         SW13           Cable coulted         straight           Material         PUR           Material contact         Copper alloy           Ceating contact         gold plated           Degree of protection (EN IEC 80529)         IP67           Commercial data         UER           UER, Webshap         hips://shop.murrelektronik.com/7700-51001-S4X0200           GTN         40487/9989691           ECLASS-0.0         27061001           ECLASS-1.1         27060307           ECLASS-8.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.1         27060307           <				
Material contact         Copper alloy           Designe of protection (EN IEC 60529)         IP67           Side 2         Family construction form         M12           No. of poles         8           Coding         X           Garder         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           Cable outlet         straight           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial deta           URL Webshop         https://strop.murelektronk.com/7700-5101-54X0200           GTIN         4048673898951           ECLASS-6.0         27060007           ECLASS-7.1         27060007           ECLASS-8.2         27060007           ECLASS-8.3         27060007           ECLASS-9.1         27060007           ECLASS-9.2         27060007           ECLASS-10.0         27060007           ECLASS-11.0         27060007           ECLASS-12.0         27060007				
Coating contact         gold pletted           Degree of probaction (EN IEC 60529)         IPC7           Side 2         Parmally construction form         M12           No. of poles         8           Godding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 1           Type in groupe         0.8 Nm           Width across fatts         SW13           Cable outlet         straight           Material         PUR           Material ontact         Copper alloy           Coaing contact         gold plated           Degree of protection (EN IEC 60529)         IPG7           Commercial data           URL Wobshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879669651           ECLASS-0.0         27061801           ECLASS-1.1         27060307           ECLASS-1.2         27060307           ECLASS-2.1         27060307           ECLASS-3.1         27060307           ECLASS-3.1         27060307           ECLASS-9.1         27060307           ECLASS-1.0         27060307 <t< td=""><td></td><td></td></t<>				
Degree of protection (EN IEC 60529)         IP67           Side 2           Family construction form         M12           No. of poles         8           Coding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tightening torque         0.5 Nm           Width across flats         SW13           Cable outlet         straight           Material contact         Copper alloy           Coating contact         UPR           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data         UPL           URL Webshop         https://shop.murrelektronik.com/770-51001-S4X0200           GTIN         404887966961           ECLASS-6.1         27061801           ECLASS-7.0         2706307           ECLASS-8.1         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         270603				
Side 2           Family construction form         M12           Coding         8           Coding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tightening torque         0.6 Nm           Width arross flats         SW13           Cable outlet         straight           Material         PUR           Material portact         Copper allay           Coating contact         gold plated           Degree of protection (EN IEC 80529)         IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7709-51001-54X0200           GTIN         4048878698651           ECLASS-6.0         27068037           ECLASS-7.0         27060307           ECLASS-8.1         27060307           ECLASS-8.2         27060307           ECLASS-9.3         27060307           ECLASS-9.4         27060307           ECLASS-9.5         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.0         27060307           ECLASS-11.				
Family construction form         M12           No. of poles         8           Coding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           Cable outlet         straight           Material         PUR           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         404887969651           ECLASS-6.0         27061801           ECLASS-7.1         27060307           ECLASS-8.1         27060307           ECLASS-8.2         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-9.0.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-13.0         27060307	Degree of protection (EN IEC 60529)	IP6/		
No. of poles         8           Coding         X           Gender         male           Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tipbering forque         0.6 Nm           Width across flats         SW13           Cable outlet         straight           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879898951           ECLASS-6.0         27069307           ECLASS-7.0         27069307           ECLASS-8.1         27069307           ECLASS-8.0         27069307           ECLASS-8.1         27069307           ECLASS-9.0         27069307           ECLASS-9.0         27069307           ECLASS-1.1         27069307           ECLASS-1.2         27069307           ECLASS-1.3         27069307           ECLASS-1.0.1         27069307           ECLASS-1.1.1         27069307           ECLASS-1.1.0         27069307           ECLASS-1.1.0         270693	Side 2			
Coding         X           Gender         male           Mucuning method         inserted, screwed           Threaded hole         M12 x 1           Tiphtening torque         0,6 Nm           Width across flats         SW13           Cable outlet         straight           Matorial         PUR           Matorial contact         Copper alloy           Oealing contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop           WHR Webshop           DEC ASS-6.0         27061801           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.1         27060307           ECLASS-8.1         27060307           ECLASS-8.1         27060307           ECLASS-1.0         27060307           ECLASS-1.1         27060307           ECLASS-1.0         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307	Family construction form	M12		
Gender         male           Mounting method         inserted, sorewed           Threaded hole         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           Cable outlet         straight           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879698951           ECLASS-0.         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-8.2         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-10.2         27060307           ECLASS-10.3         27060307           ECLASS-11.0         27060307           ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0 <th< td=""><td>No. of poles</td><td>8</td></th<>	No. of poles	8		
Mounting method         inserted, screwed           Threaded hole         M12 x 1           Tighening torque         0.6 Nm           Width across flats         SW13           Cable outlet         straight           Material         PUR           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879696951           ECLASS-6.0         27061801           ECLASS-6.1         27060007           ECLASS-6.1         27060007           ECLASS-7.0         27060007           ECLASS-8.0         27060007           ECLASS-8.1         27060007           ECLASS-8.1         27060007           ECLASS-9.0         27060007           ECLASS-10.1         27060007           ECLASS-11.0         27060007           ECLASS-11.0         27060007           ECLASS-11.1         27060007           ECLASS-11.0         27060007           ECLASS-11.0         27060007           ECLASS-13.0 <td< td=""><td>Coding</td><td>X</td></td<>	Coding	X		
Threaded hole         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           Cable outlet         straight           Material         PUR           Material contact         Copper alloy           Coating contact         gold plated           Coating contact           Commercial date           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879696951           ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 7.0         27060307           ECLASS 8.0         27060307           ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS 9.1         27060307           ECLASS 9.1         27060307           ECLASS 9.1.0         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.0         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.0         27060307           ECLASS 9.1.0         27060307           ECLASS 9.1.0         27060307	Gender	male		
Tightening torque         0.6 Mm           Wildth across flats         SW13           Cable outlet         straight           Material         PUR           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial date           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879698951           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-9.0.1         27060307           ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-14.0         27060307 </td <td>Mounting method</td> <td>inserted, screwed</td>	Mounting method	inserted, screwed		
With across flats         SW13           Cable outlet         straight           Material         PUR           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial dat           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879696951           ECLASS-6.0         27061001           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         ECO02599	Threaded hole	M12 x 1		
Cable outlet         straight           Material         PUR           Material contact         Copper alloy           Coading contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop         https://shp.murrelektronik.com/7709-51001-S4X0200           GTIN         4048879696951           ECLASS-6.0         27061801           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.0.1         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         EC002599           ETIM-5.0         EC002599           ETIM-8.0         EC002599	Tightening torque	0,6 Nm		
Material         PUR           Material contact         Copper alloy           Coaling contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879696951           ECLASS-6.0         2701801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307 <td></td> <td>SW13</td>		SW13		
Material         PUR           Material contact         Copper alloy           Coating contact         gold plated           Dagree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879696951           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-13.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ECLASS-13.0         EC002599           ETIM-5.0         EC002599           ETIM-6.0         EC002599	Cable outlet	straight		
Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         40488796989511           ECLASS-6.0         27060307           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-11.2         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-7.0         EC002599           CLASS-10         404887969	Material			
Coaling contact         gold plated           Degree of protection (EN IEC 60529)         IP67           Commercial data         Ittps://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879699551           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.1         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-8.0         EC002599           CIM-8.0         EC002599           CIM-8.0         EC002599           CIM-8.0         EC002599      <	Material contact	Copper alloy		
Degree of protection (EN IEC 60529)         IP67           Commercial data         Intips://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879696951           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.0.1         27060307           ECLASS-11.0         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-8.0         EC002599           customs tariff number         85444290           EAN         404887969951           Packaging unit         1	Coating contact			
Commercial data           URL Webshop         https://shop.murrelektronik.com/7700-51001-S4X0200           GTIN         4048879696951           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.0.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-7.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
GTIN         4048879696951           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-10.0.1         27060307           ECLASS-10.0.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-7.0         EC002599           ETIM-8.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
GTIN         4048879696951           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-10.0.1         27060307           ECLASS-10.0.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-7.0         EC002599           ETIM-8.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1	URL Webshop	https://shop.murrelektronik.com/7700-51001-S4X0200		
ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-9.1         27060307           ECLASS-10.0.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-7.0         EC002599           ETIM-8.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-10.0.1         27060307           ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ETIM-5.0         EC002599           ETIM-6.0         EC002599           ETIM-7.0         EC002599           ETIM-8.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
ECLASS-7.0       27060307         ECLASS-8.0       27060307         ECLASS-8.1       27060307         ECLASS-9.0       27060307         ECLASS-9.1       27060307         ECLASS-10.0.1       27060307         ECLASS-10.0.1       27060307         ECLASS-10.1       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         Customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-7.1       27060307         ECLASS-8.0       27060307         ECLASS-8.1       27060307         ECLASS-9.0       27060307         ECLASS-9.1       27060307         ECLASS-10.0.1       27060307         ECLASS-10.1       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-8.0       27060307         ECLASS-9.1       27060307         ECLASS-9.1       27060307         ECLASS-10.0.1       27060307         ECLASS-10.1       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-8.1       27060307         ECLASS-9.0       27060307         ECLASS-9.1       27060307         ECLASS-10.0.1       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-9.0       27060307         ECLASS-9.1       27060307         ECLASS-10.0.1       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-9.1       27060307         ECLASS-10.1       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         Customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-10.01       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         Customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-10.1       27060307         ECLASS-11.0       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         Customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-11.0       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-12.0       27060307         ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-13.0       27060307         ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ECLASS-14.0       27060307         ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ETIM-5.0       EC002599         ETIM-6.0       EC002599         ETIM-7.0       EC002599         ETIM-8.0       EC002599         customs tariff number       85444290         EAN       4048879696951         Packaging unit       1				
ETIM-6.0         EC002599           ETIM-7.0         EC002599           ETIM-8.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
ETIM-7.0         EC002599           ETIM-8.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
ETIM-8.0         EC002599           customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
customs tariff number         85444290           EAN         4048879696951           Packaging unit         1				
EAN         4048879696951           Packaging unit         1				
Packaging unit 1				
Electrical data   Supply	Packaging unit	1		
	Electrical data   Supply			



stay connected

Operating voltage DC max.	60 V	
Current operating per contact max.	1,5 A	
Industrial Communication		
Data transmission rate max.	10 Gbit/s	
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)	
Diagnostics		
-	N.	
Status indication LED	No	
Device protection   Electrical		
Degree of protection (EN IEC 60529)	IP67	
Pollution Degree	3	
Rated surge voltage	1,5 kV	
Material group (IEC 60664-1)		
Environmental characteristics   Climatic		
Operating temperature min.	-30 °C	
Operating temperature max.	85 °C	
Additional condition temperature range	depending on cable quality	
Important installation notes		
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
Installation   Cable		
Cable identification	S4X	
Function cable	Data	
Amount stranding	4	
Stranding	2 wires stranded	
Amount stranding (type 2)	1	
Stranding (type 2)	4 stranding combinations stranded around insulation element	
Banding	Foil	
Filler	Insulation element	
Cable weigth	59,53 g/m	
Material wire insulation	HDPE	
Amount wires	8	
Outer diameter insulation	0,9 mm	
Outer diameter tolerance core insulation	± 0,05 mm	
Ingredient freeness wire insulation	CFC-free, lead-free	
Amount strands (wire)	7	
Diameter of single wires	26 AWG	
Conductor crosssection (wire)	26 AWG	
Material conductor wire	copper stranded wire, tinned	
Outer-diameter (jacket)	7,4 mm	
Tolerance outer diameter (sheath)	± 5 %	
Material jacket	TPE	
Shore hardness jacket	80 ± 5 Shore A	
Freedom from ingredients (jacket)	CFC-free, lead-free	
Cable length max.	66 m	
Conductor resistance (wire)	212 Ω/km @ 20 °C	
Electrical capacity line constant (wire - wire)	84.850 pF/km	
Nominal voltage AC max.	600 V	
Loop resistance	424 Ω/km	
(ACID-1	1.5 kV @ 2 s	
Withstand voltage (wire - wire)		
Withstand voltage (wire - wire) Withstand voltage (wire - jacket) Current load capacity (standard)	1.5 kV @ 2 s to DIN VDE 0298-4	



Current load capacity min. wire	2 A
Characteristic impedance	100 Ω
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C
Operating temperature min. (drag chain)	-40 °C
Operating temperature max. (drag chain)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °C
Bending radius (fixed)	4 × Outer diameter
Bending radius (dynamic)	18 × Outer diameter
No. of bending cycles (C-track)	35 Mio. @ 25 °C
Traversing distance (C-track)	0.6 m @ 25 °C
Travel speed (C-track)	1.2 m/s @ 25 °C
Acceleration (C-track)	2.4 m/s² @ 25 °C
No. of torsion cycles	3 Mio. @ 25 °C
Torsion stress	± 270 °/m
Torsion speed	60 cycles/min @ 25 °C