

- ✂ 1 x SILBUS triplet
- ✂ 1 x 1.5mm² pair
- ✂ Polyethylene insulation
- ✂ Low capacitance
- ✂ Low mutual inductance
- ✂ Low L/R ratio
- ✂ Flame retardant Polyurethane sheath
- ✂ MSHA Approved

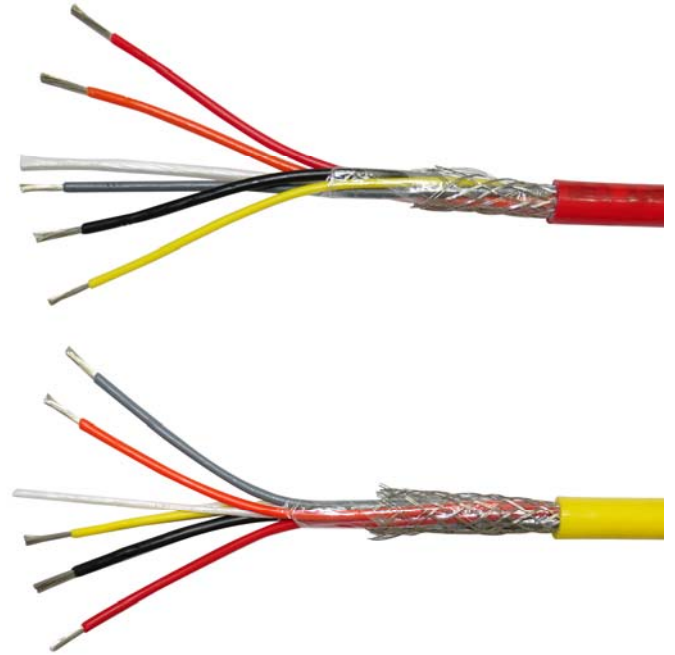
DESCRIPTION

Lanyard cable type A10.1 and A10.2 is designed for use as a conveyor lanyard in SILBUS or Dupline[®] network based conveyor emergency stop and remote isolation systems.

The lanyard cable has a stainless steel braid under the outer sheath to provide mechanical strength to stop cable stretch when the cable is used as an emergency stop lanyard. The tough polyurethane outer sheath provides wear resistance where the lanyard cable passes through support pigtails or loops.

Type A10.1 and A10.2 lanyard cable consists of one polyethylene insulated SILBUS triplet and one 1.5mm² twisted pair.

The type A10.1 and A10.2 lanyard cable is particularly useful in AS1755 compliant conveyor control systems where the control circuit is run in the lanyard cable instead of using galvanized wire and tensioned switches. The non-tensioned lanyard cable approach eliminates the intermittent false stop issues associated with galvanized wire tensioned switch systems.



The cable has a low capacitance of 70pF/m and a low mutual inductance of 0.7uH/m. The all-important L/R is a low 30uH/Ω.

The outer sheath is available in red or yellow to suit the site safety colour scheme.

Every batch of Austdac cable is quality controlled, inspected and tested to ensure that the cable is within mechanical tolerance and the specified Exi electrical parameters Cc, Lc and Lc/Rc are not exceeded.

This gives our customer's confidence in the safety of their installations knowing that any IEC/AS/NZS 60079-25 installation assessment is using reliable and safe cable data.



SPECIFICATION

TWISTED PAIR

Construction	30/0.25
Cross sectional area	1.5mm ²
Material	Tinned copper
Resistance nominal	0.0131Ω/m @ 25°C
Conductor insulation	Polyethylene
Insulation colour	Orange and grey
Insulation radial thickness	0.6mm
Insulation diameter	2.5mm
Capacitance C _c	70pF/m max
Mutual inductance L _c	0.7uH/m max
L/R ratio L _c /R _c	30uH/Ω max

SILBUS TRIPLET

Construction	Red 30/0.25 Black 63/0.2 or 28/0.3 Yellow 32/0.2
Cross sectional area	Red 1.5mm ² Black 2.0mm ² Yellow 1.0mm ²
Material	Tinned copper
Resistance nominal	Red 0.0131Ω/m @ 25°C Black 0.00969Ω/m @ 25°C Yellow 0.01908Ω/m @ 25°C
Conductor insulation	Polyethylene
Insulation colour	Red, black and yellow
Insulation radial thickness	0.6mm
Insulation diameter	Yellow 2.2mm Red 2.5mm Black 2.8mm
Capacitance C _c	70pF/m max
Mutual inductance L _c	0.7uH/m max
L/R ratio L _c /R _c	35uH/Ω max

OUTER SHEATH

Material	Flame retardant polyurethane
Colour	Red, Yellow
Outside diameter	10.6mm max
Text height	5mm
Text colour	Black
Text repeat	1m
Text	AUSTDAC TYPE: A10.x P/No: CAC5C1BYU-ccc BATCH nnnn APPROVAL: 07-KA040005-MSHA 3/15awg, 1/14awg, 1/17awg SIGNAL < 50V

GENERAL

Bending radius	50mm min
Temperature	-70°C to +75°C

ORDERING DETAILS

DESCRIPTION	COLOUR	ORDER CODE
LANYARD CABLE TYPE A10.1	RED	CAC5C1BYU-RED
LANYARD CABLE TYPE A10.2	YELLOW	CAC5C1BYU-YELLOW



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