

- ✂ 1 x SILBUS triplet
- ✂ 1 x 1.5mm² Twisted pair
- ✂ 1 x 0.5 mm² Signal pair
- ✂ Polyethylene insulation
- ✂ Low capacitance
- ✂ Low mutual inductance
- ✂ Low L/R ratio
- ✂ Flame retardant Polyurethane sheath

DESCRIPTION

Pullwire cable type A13.1, A13.2 and A13.3 is designed for use as a conveyor pullwire in SILBUS or Dupline® network based conveyor emergency stop, remote isolation systems and industrial intercom.

The pullwire 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 pullwire. The tough polyurethane outer sheath provides wear resistance where the pullwire cable passes through support pigtailed or loops.

Type A13.1, A13.2 and A13.3 pullwire cable consists of one polyethylene insulated SILBUS triplet, one 1.5mm² twisted pair and one 0.5 mm² signal pair.

The type A13.1, A13.2 and A13.3 pullwire cable is particularly useful in AS1755/AS4024 compliant conveyor control systems where the control circuit is run in the pullwire cable instead of using galvanized wire and tensioned switches. The non-tensioned pullwire cable approach eliminates the intermittent false stop issues associated with galvanized wire tensioned switch systems.



The outer sheath is available in yellow, red or blue 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.

GENERAL

Bending radius	65mm min
Temperature	-70°C to +75°C



SPECIFICATION

TWISTED PAIR	
Construction	30/0.25
Cross sectional area	1.47mm ²
Material	Tinned copper
Resistance nominal	0.0131Ω/m @ 25°C
Conductor insulation	Polyethylene
Insulation colour	Orange and grey
Insulation radial thickness	1.6mm
Insulation diameter	3.2mm
Capacitance C _c	58pF/m max
Mutual inductance L _c	1.1uH/m max
L/R ratio L _c /R _c	41.98uH/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	1.6mm
Insulation diameter	Yellow 1.3mm Red 1.8mm Black 1.6mm
Capacitance C _c	Red, Black 62pF/m max Black, Yellow 57pF/m max
Mutual inductance L _c	1.1uH/m max
L/R ratio L _c /R _c	38.23uH/Ω max

SIGNAL PAIR	
Construction	Blue 7/0.2 White 7/0.2
Cross sectional area	Blue 0.2mm ² White 0.2mm ²
Material	Tinned copper
Resistance nominal	Blue 0.08724Ω/m @ 25°C White 0.08724Ω/m @ 25°C
Conductor insulation	Polyethylene
Insulation colour	Blue and White
Insulation radial thickness	0.4mm
Insulation diameter	Blue 1.0mm White 1.0mm
Capacitance C _c	20pF/m max
Mutual inductance L _c	0.8uH/m max
L/R ratio L _c /R _c	4.58uH/Ω max

OUTER SHEATH	
Material	Flame retardant polyurethane
Colour	Yellow, Red, Blue
Outside diameter	13mm max
Text height	5mm
Text colour	Black
Text repeat	1m

ORDERING DETAILS

DESCRIPTION	COLOUR	ORDER CODE
CABLE PULLWIRE 7 CORE TYPE A13.1 YELLOW SHEATH	YELLOW	CAC7CBYU-YELLOW
CABLE PULLWIRE 7 CORE TYPE A13.2 RED SHEATH	RED	CAC7CBYU-RED
CABLE PULLWIRE 7 CORE TYPE A13.3 BLUE SHEATH	BLUE	CAC7CBYU-BLUE



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