

- ✂ **4 x 1mm² conductors**
- ✂ **2 x 1.5mm² conductors**
- ✂ **Polyethylene insulation**
- ✂ **Low capacitance**
- ✂ **Low mutual inductance**
- ✂ **Low L/R ratio**
- ✂ **Flame retardant Polyurethane sheath**
- ✂ **MSHA Compliant**
- ✂ **uL Approved**



DESCRIPTION

Lanyard cable type A12 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 A12 lanyard cable consists of six polyethylene insulated conductors.

The type A12 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 200pF/m and a low mutual inductance of 0.954uH/m. The all-important L/R is a low 25uH/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

POWER CONDUCTORS

Construction	32/0.2
Cross sectional area	1.5mm ²
Material	Tinned copper
Resistance nominal	0.0131Ω/m @ 25°C
Conductor insulation	Polyethylene
Insulation colour	Green and White
Insulation radial thickness	0.5mm
Insulation diameter	2.5mm
Capacitance C _c	220pF/m max
Mutual inductance L _c	0.786uH/m max
L/R ratio L _c /R _c	30uH/Ω max

SIGNAL / CONTROL CCT CONDUCTORS

Construction	32/0.2
Cross sectional area	1.005mm ²
Material	Tinned Copper
Resistance nominal	0.01908Ω/m @ 25°C
Conductor insulation	Polyethylene
Insulation colour	Red, black yellow and blue
Insulation radial thickness	0.5mm
Insulation diameter	2.2mm
Capacitance C _c	200pF/m
Mutual inductance L _c	0.954uH/m max
L/R ratio L _c /R _c	25uH/Ω max

OUTER SHEATH

Material	UV Tolerant Halogen Free Red Polyurethane
Colour	Red
Outside diameter	10.8mm
Text height	5mm
Text colour	Black
Text repeat	1m
Text	AUSTDAC CAC6C1BYU TYPE A12(PE) E484700 UL AWM 20936 4/1BAWF, 2/16AWF 80°C 300V VW-1 cUL AWM I/II A/B 80°C 300V FT1 <batch#> 0 <metre marking>

GENERAL

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

ORDERING DETAILS

DESCRIPTION	COLOUR	ORDER CODE
CABLE LANYARD 6 CORE TYPE A12 RED SHEATH	RED	CAC6C1BYU



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