

- ✂ **1 x 4mm² pair**
- ✂ **1 x 2.5mm² twisted pair with screen**
- ✂ **PE insulation on individual wires**
- ✂ **Flame retardant PU outer sheath**
- ✂ **Stainless steel braid**
- ✂ **UL/cUL Listed**

DESCRIPTION

Cable Type A32 – CAC2P1FYU is designed for HUBBUS systems. The cable provides power or control to auxiliary equipment such as pre-start strobes and sounders or external power to applicable HUBBUS modules via the 4mm² pair and HUBBUS signal and line power via the shielded 2.5mm² pair.

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

The HUBBUS cable consists of two main elements, an unscreened 4mm² pair and one screened 2.5mm² twisted pair.

The 4mm² pair is made up of 56 strands of 0.3mm tinned copper wire while the 2.5mm² pair is made up of 50 strands of 0.25mm tinned copper wire to provide maximum strength and flexibility. All conductors are insulated with PE.



The 2.5mm² pairs are screened using a foil tape and a 24/0.2 TC drain conductor.

The outer sheath is constructed from flame retardant Polyurethane and is available in either red or yellow.

Every batch of Austdac cable is quality controlled, inspected and tested to ensure that the specified electrical parameters are met.



SPECIFICATION

POWER ELEMENT (POWER)

Construction	56/0.3
Cross sectional area	4mm ²
Material	Tinned copper
Resistance nominal	0.00489Ω/m @ 25°C
Insulation	PE
Insulation colour	Red and Black
Insulation radial thickness	0.6mm
Insulation diameter	3.8mm
Capacitance C _c	390pF/m max
Mutual inductance L _c	0.67uH/m max
L/R ratio L _c /R _c	69uH/Ω max

SIGNAL ELEMENT (SIGNAL)

Construction	50/0.25
Cross sectional area	2.5mm ²
Material	Tinned copper
Resistance nominal	0.00782Ω/m @ 25°C
Insulation	PE
Insulation colour	Violet and Grey
Insulation radial thickness	0.5mm
Insulation diameter	3.1mm
Screen	Foil tape
Drain construction	24/0.2
Drain material	Tinned copper
Drain cross sectional area	0.754mm ²
Capacitance C _c	130pF/m max
Mutual inductance L _c	0.86uH/m max
L/R ratio L _c /R _c	55uH/Ω max

OUTER SHEATH

Material	Flame retardant PU
Colour	Red or Yellow
Outside diameter	14mm max
Text height	5mm
Text colour	Black
Text repeat	1m

GENERAL

Bending radius	100mm min
Temperature	-20°C to +80°C
UL/cUL	AWM 20936
CSA	C585101 Part C

ORDERING DETAILS

DESCRIPTION	ORDER CODE
CABLE TYPE A32.1 – 1x4mm ² , 1x2.5mm ² SHIELDED PAIR - RED	CAC2P1FYU-RED
CABLE TYPE A32.1 – 1x4mm ² , 1x2.5mm ² SHIELDED PAIR - YELLOW	CAC2P1FYU-YELLOW



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