



Signal/Control Cables



DATA SHEET

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Foil Shielded Signal/Control Cables

Webb signal/control cables are multi-conductor cables used in automation and instrumentation applications. They are designed to be flexible to enable hassle-free routing and cabling at any location. The inner structure consists of electrolytic stranded copper conductors insulated in a polypropylene compound. These are then wrapped in an aluminium screening to prevent electrical interference, and further covered with a PVC sheath.

Specifications

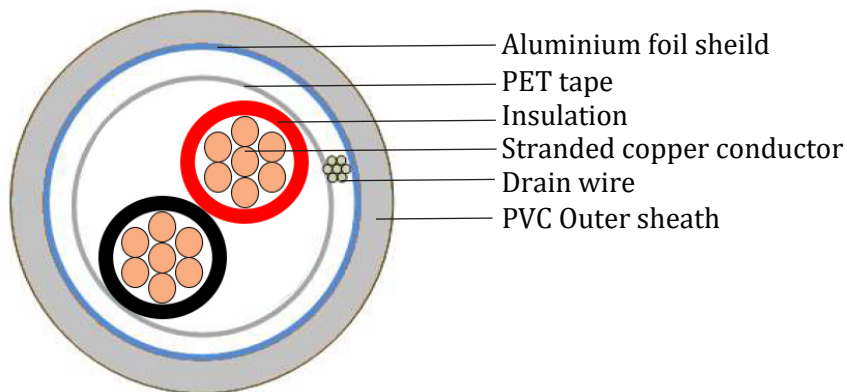
- Conductor: stranded electrolytic copper
- Stranding: in layers
 - 14AWG: 19 strands x 26AWG
 - 16AWG: 19 strands x 29AWG
 - 18AWG: 7 strands x 26AWG
 - 22AWG: 7 strands x 30AWG
 - 24AWG: 7 strands x 32AWG
- Insulation: polypropylene compound
- Screen: Aluminium foiled and PET tape
- Tinned copper drain wire (7 strands x 0.20mm)
- Outer sheath: PVC compound
- Outer sheath colour: Grey
- Operating voltage (U_0/U): 300 V
- Bending radius: 10 x D
- Operating temperature: -30 °C to +70 °C
- Conductor resistance (Ω/km) ± 3 :
 - 16 AWG: 13.12
 - 18 AWG: 21.32
 - 22 AWG: 53.80
 - 24 AWG: 80.00
- Mutual capacitance (nF/km) ± 10 :
 - 2x16 AWG - 190.3
 - 3x16 AWG - 190.3
 - 2x18 AWG - 173.89
 - 3x18 AWG - 118.12
 - 4x18 AWG - 88.587
 - 6x18 AWG - 88.587
 - 8x18 AWG - 88.587
 - 4x22 AWG - 73.823
 - 8x22 AWG - 131.24
 - 4x24 AWG - 120.05
 - 4x2x24 AWG - 120.08

**Specifications are subject to change without notice based on technical recommendations and related product enhancements*

● Core colours:

- 2x16 AWG - Black, red
- 3x16 AWG - Black, red, white
- 2x18 AWG - Black, red
- 3x18 AWG - Black, red, white
- 4x18 AWG - Black, red, white, green
- 6x18 AWG - Black, red, white, green, brown, blue
- 8x18 AWG - Black, red, white, green, brown, blue, orange, yellow
- 4x22 AWG - Black, red, white, green
- 8x22 AWG - Black, red, white, green, brown, blue, orange, yellow
- 4x24 AWG - White, yellow, brown, green
- 4x2x24 AWG - Black x red, black x white, black x green, black x blue

Inner structure



2 core 18AWG (7 strands x 26AWG) foil shielded cable

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SIGNAL/CONTROL CABLES PART NUMBER KEY

Part Number: T.04.CC._ _ _ _ _

T.04.CC.Cores.Shield.Conductor Thickness.Type.Sheath.Colour

Please add the codes from the tables below in the above format to derive your desired product part number

Number of cores/ Pair	Code
2 core	02
3 core	03
4 core	04
6 core	06
8 core	08
9 core	09
10 core	10
4 pair	4P
8 pair	8P

Shield	Code
Unshielded	US
Braid shield	BS
Foil shield	FS
Foil & Braid shield	FB

Conductor thickness	Code
12 AWG	12
14 AWG	14
16 AWG	16
18 AWG	18
20 AWG	20
22 AWG	22
23 AWG	23
24 AWG	24

Conductor Type	Code
Solid	S
Stranded (T-Number of strands X strands thickness in AWG)	
14AWG (19x26AWG)	T-19x26
16AWG (19x29AWG)	T-19x29
18AWG (7x26AWG)	T-07x26
22AWG (7x30AWG)	T-07x30
24AWG (7x32AWG)	T-07x32

Sheath	Code
PVC	P
PE	E
LSOH	L

Colour	Code
Grey	G
Black	B
Red	R
Blue	U
Orange	O

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