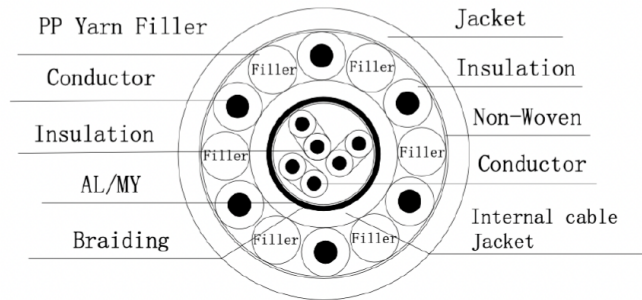


PRODUCT TECHNICAL DATASHEET

Shielded Cable 6×1.0 mm² + 3×2×0.25 mm² – PVC, double shield



Type:

UL2464 61.0mm+32*0.25mm+F+P+B OD:14.2 – Double shield cable for signal control and power transmission

Conductor composition:

- 6 conductors of 1.0 mm² (32 strands Ø0.20 mm)
- 3 twisted pairs of 2×0.25 mm² each (14 strands Ø0.15 mm)
- Bare red copper conductor

Insulation:

- Material: PVC
- 1.0 mm² conductor colors: Blue, Red, Black, Grey, Orange, Green/Yellow
- 0.25 mm² pair colors: White+Brown; Yellow+Green; Grey+Pink

Shielding:

- Double shield: aluminium/mylar + tinned copper braid
- Shield coverage: ≥80%

Outer sheath:

- Material: PVC
- Color: Black

- Nominal thickness: 1.0 mm
- Outer diameter: 14.2 ± 0.6 mm

Mechanical properties:

- Sheath tensile strength before aging: 10.3 MPa
- Elongation before aging: $\geq 125\%$
- Filler material: PP (polypropylene)
- Internal tape: non-woven fabric ($\geq 25\%$)

Electrical properties:

- Rated voltage: 300 V
- Rated temperature: 80°C
- Maximum conductor resistance at 20°C :
 - 1.0 mm^2 : $\leq 19.5 \Omega/\text{km}$
 - 0.25 mm^2 : $\leq 78.0 \Omega/\text{km}$

Standards and certifications:

- UL 2464
- 2014/35/EU (LVD)
- 2014/30/EU (EMC)
- 2011/65/EU (RoHS II)
- Flame test: VW-1 (UL), FT1



Sheath marking:

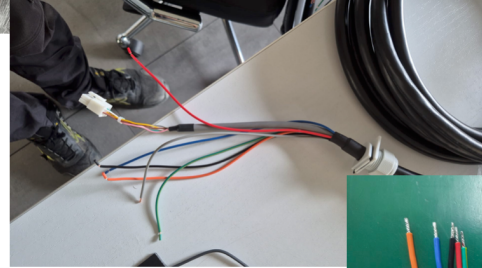
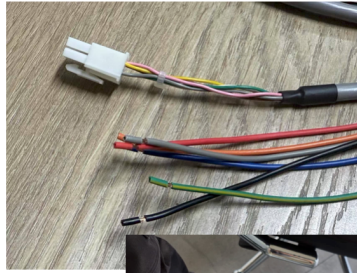
CABFLIX® 61.0mm²+32*0.25mm² “CE” – STYLE 2464 Equivalent 300V 80°C VW-1 I/II A/B FT1 RoHS II – Designed in Italy, Made in China

Cable end preparation



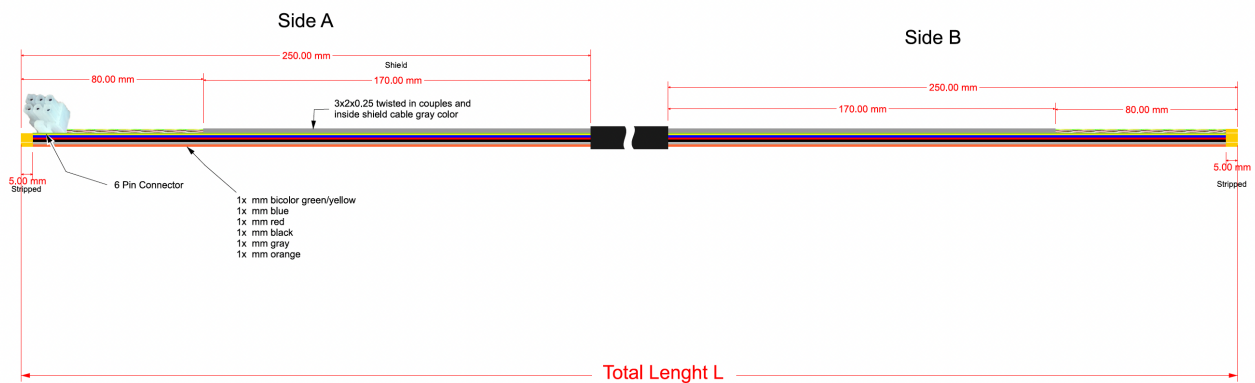
Side A

- Outer sheath stripping: 250 mm
- Visible shield section (braid + AL-Mylar): 170 mm
- Inner cores stripping: 80 mm
- Conductor stripping: 7 mm + tinning
- Connector installed: 6-pin (connected conductors 1×1 mm²: green/yellow, blue, red, black, grey, orange)
- The 3×2×0.25 mm² pairs remain twisted and housed under the shielding (grey inner sheath)



Side B

- Outer sheath stripping: 250 mm
- Visible shield section: 170 mm
- Inner cores stripping: 80 mm
- Conductor stripping: 7 mm + tinning
- The 3×2×0.25 mm² pairs remain twisted and shielded up to the exit
- Processing tolerances: ±5 mm (stripping)



Available lengths

L1 = 3 m L2 = 5 m L3 = 7 m L4 = 11 m

Packaging

Standard packaging: single cable in sealed plastic bag