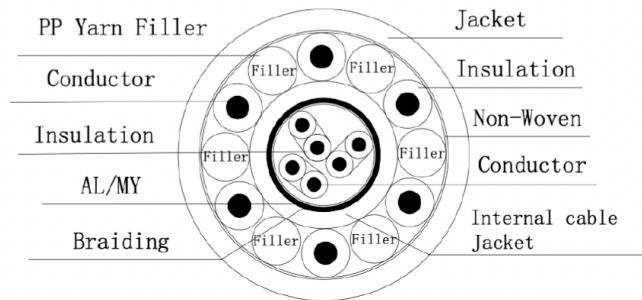


PRODUCT TECHNICAL DATASHEET

Shielded Cable $6 \times 0.75 \text{ mm}^2 + 3 \times 2 \times 0.25 \text{ mm}^2$ – PVC, single shield



Type:

UL2464 60.75mm+32*0.25mm+F+P OD:13.8 – Single shield cable for signal control and power transmission

Conductor composition:

- 6 conductors of 0.75 mm^2 (24 strands $\text{Ø}0.19 \text{ mm}$)
- 3 twisted pairs of $2 \times 0.25 \text{ mm}^2$ each (14 strands $\text{Ø}0.15 \text{ mm}$)
- Bare red copper conductor

Insulation:

- Material: PVC
- 0.75 mm^2 conductor colors: Blue, Red, Black, Grey, Orange, Green/Yellow
- 0.25 mm^2 pair colors: White+Brown; Yellow+Green; Grey+Pink

Shielding:

- Single shield: aluminium/mylar + tinned copper braid
- Shield coverage: $\geq 80\%$

Outer sheath:

- Material: PVC
- Color: Black
- Nominal thickness: 1.0 mm

- Outer diameter: 13.8 ± 0.5 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 :
 - 0.75 mm^2 : $\leq 26.0 \Omega/\text{km}$
 - 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:

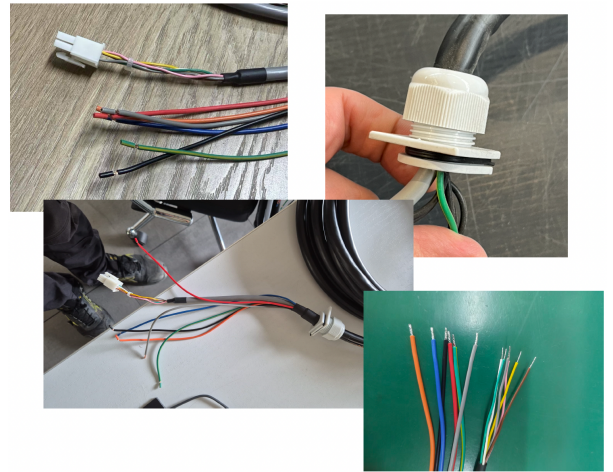
CABFLIX® $60.75\text{mm}^2 + 32 \times 0.25\text{mm}^2$ "CE" – STYLE 2464 Equivalent 300V 80°C VW-1 I/II A/B FT1 RoHS II – Designed in Italy, Made in China

Cable end preparation



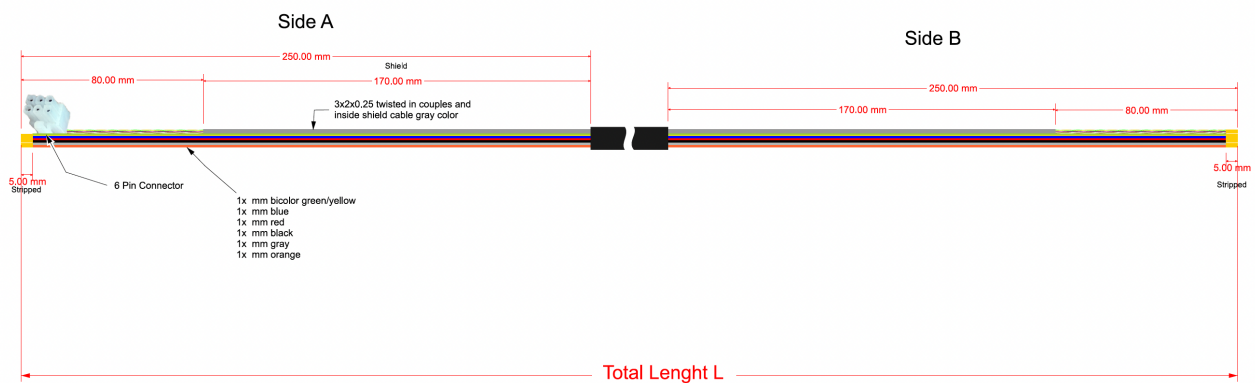
Side A

- 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)
- Cable gland installed as sample



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