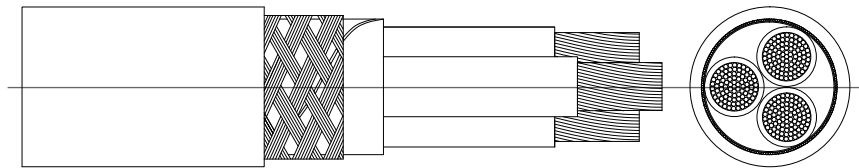


SCREENFLEX[®] 110/200 LiYCY VC4V-K

Flexible screened PVC cable, for safe signal transmission.

BASED ON: [UNE-EN 50525](#)

DESIGN



Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228 and IEC 60228.

Insulation

Flexible PVC.

The standard identification of insulated conductors is the following:

1 x	○	Natural
2 x	● ●	Blue + Brown
3 G	● ● ●	Blue + Brown + Yellow/green
3 x	● ● ●	Brown + Black + Grey
4 G	● ● ● ●	Brown + Black + Grey + Yellow/green
4 x	● ● ● ●	Brown + Black + Grey + Blue
5 G	● ● ● ● ●	Brown + Black + Grey + Yellow/green + Blue
6 or more	● ● ● ● ● ●	Black numbered + Yellow/green.

Other identifications (JZ, OZ, J, Z) are available on request.

Screen

Aluminium-polyester tape screen with overlapping tinned copper braid, ensuring full screening coverage.

Outer sheath

Flexible PVC, black or grey colour (grey for fire non-propagation). The ripcord allows you to gently tear the outer-sheath allowing you to gently peel it away without damaging the screen.

APPLICATIONS

Screenflex[®] 110 LiYCY VC4V-K is a screened control cable. It is used in all types of signal transmission connections where the voltage induced by an exterior electromagnetic field may affect the signal transmitted. Its most common applications are: control circuits, electronic equipment connections, computer systems, etc.

- Industrial use.
- Electromagnetic protection.



FEATURES



Electrical performance

Low voltage: 300/500 V. (up to 1,5 mm² cross sections).
0,6/1kV (from 2,5mm² cross section).



Based on

UNE-EN 50525.



Standards and approvals

CE / RoHS.



CPR (Construction Products Regulation)

C_{ca} - s2, d1, a3 (grey outer sheath 300/500V) / E_{ca} (black outer sheath).
C_{ca} - s3, d1, a3 (grey outer sheath 0,6/1kV).



Thermal performance

Maximum service temperature: 70°C.
Maximum short-circuit temperature: 160°C (max. 5 s).
Minimum service temperature: -40°C (static, with protection).



Fire performance

Flame non-propagation based on EN 60332-1 and IEC 60332-1.
Fire non-propagation based on EN 60332-3 and IEC 60332-3 (only grey outer sheath).
Low halogen emission. Chlorine <15%.
Reaction to fire CPR: C_{ca} -s2, d1, a3 or E_{ca}, according to EN 50575 (see outer sheath).



Mechanical performance

Minimum bending radius: x5 cable diameter.
Impact resistance: AG2 Medium severity.



Chemical performance

Chemical & Oil resistance: Good.
UV UV Resistant: UNE 211605.



Water performance

Water resistance: AD5 Jets.



Other

Meter by meter marking.
Ripcord.
Electric fields resistant.



Installation conditions

Open Air.
Buried.
In conduit.

CONTROL / SCREENED CABLES

TOPFLEX® VV-F
H05VV-F



FLEXTEL® 110
ES05VV-F



FLEXTEL® 140
H05VV5-F



FLEXTEL® 200
VV-K



TOXFREE® ZH
ZIZ1-K



SCREENFLEX® 110
LIYCY VC4V-K



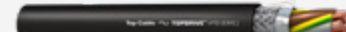
TOXFREE® ZH
ZIC4Z1-K (AS)



TOPDRIVE® VFD (EMC)
ROZI-K (AS) 0,6/1kV



TOPDRIVE® VFD (EMC)
ROZI-K (AS) 1,8/3 kV



TOPDATA®
VHOV-K (PAR-POS)
& VOV-K (POS) 300/500 V

