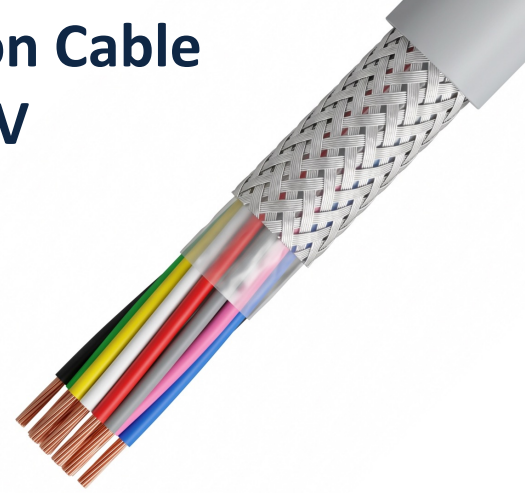


Screened Control & Instrumentation Cable (KVVP / CY) - 300/500V & 450/750V



Farwalk's Screened Control Cables are the ultimate defense line for sensitive industrial signals. By incorporating a high-density tinned copper braid or foil shield, these cables completely block Electromagnetic Interference (EMI) from heavy machinery, ensuring that critical data and control commands are transmitted with flawless accuracy.

Applications

Mandatory for high-noise industrial environments such as variable frequency drive (VFD) installations, robotics, CNC machinery, power station DCS (Distributed Control Systems), and petrochemical instrumentation networks. The screened design prevents external electrical 'noise' from corrupting low-voltage 4-20mA analog signals or digital control pulses.

Description

Manufactured to GB/T 9330 (KVVP), BS EN 50525 (CY), and BS EN 50288-7 (Instrumentation) standards. The cores are stranded bare or tinned copper, insulated with PVC or XLPE. The crucial shielding layer consists of either a Copper Wire Screen (CWS / Braid) for excellent flexibility and high-frequency EMI blocking, or an Aluminum/PET tape with a drain wire (for instrumentation). The entire assembly is jacketed in durable, oil-resistant PVC or LSZH.

Specifications

- **Voltage Rating: 300/500V (Inst.) or 450/750V (Control)**
- **Conductor: Pure Copper (Solid, Stranded, or Flexible)**
- **Shielding: Tinned Copper Braid (CWS) or Aluminum Foil**
- **Core Count/Pairs: 2 to 61 Cores, or 1 to 50 Twisted Pairs**
- **Standards: GB/T 9330 (KVVP), BS EN 50525 (CY), BS EN 50288-7**

Farwalk Cable — Screened Control & Instrumentation Cable (KVVP / CY) Complete Technical Tables

Screened Control Cable (KVVP / CY Type) - Tinned Copper Braid

No. of Cores x Cross Section (mm ²)	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20° C (Ω/km)
450/750V Screened Control Cable (Stranded Copper + Copper Braid Screen)					
2 x 1.5	1.56	0.7	1.2	9.6	12.1
3 x 1.5	1.56	0.7	1.2	10.1	12.1
4 x 1.5	1.56	0.7	1.2	10.9	12.1
5 x 1.5	1.56	0.7	1.2	11.7	12.1
7 x 1.5	1.56	0.7	1.2	12.6	12.1
10 x 1.5	1.56	0.7	1.5	15.8	12.1
14 x 1.5	1.56	0.7	1.5	17.1	12.1
19 x 1.5	1.56	0.7	1.5	18.8	12.1
24 x 1.5	1.56	0.7	1.7	21.6	12.1
30 x 1.5	1.56	0.7	1.7	22.9	12.1
37 x 1.5	1.56	0.7	1.7	24.6	12.1

Instrumentation Cable (BS EN 50288-7) - Overall Foil Screened (OS)

No. of Pairs x Cross Section (mm ²)	Conductor Type	Insulation Thick. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Max. DC Resistance @ 20° C (Ω/km)
300/500V Instrumentation Cable (Twisted Pairs + Overall Aluminum Foil & Drain Wire)					
1 x 2 x 1.5	Class 2 Stranded	0.6	7.8	85	12.1
2 x 2 x 1.5	Class 2 Stranded	0.6	11.5	145	12.1
4 x 2 x 1.5	Class 2 Stranded	0.6	13.2	230	12.1
8 x 2 x 1.5	Class 2 Stranded	0.6	17.5	410	12.1
12 x 2 x 1.5	Class 2 Stranded	0.6	21.2	585	12.1
16 x 2 x 1.5	Class 2 Stranded	0.6	24.5	750	12.1
24 x 2 x 1.5	Class 2 Stranded	0.6	29.8	1120	12.1