

# Armoured Power Cable (SWA / STA, 0.6/1 kV)

Heavy-duty Armoured Power Cables designed for direct burial and harsh industrial environments. Featuring robust Steel Wire Armour (SWA) or Steel Tape Armour (STA) to provide uncompromising mechanical protection against crush damage and tensile stress.



## Applications

Primarily used in underground power networks, heavy manufacturing facilities, mining infrastructure, and direct burial installations where mechanical damage is a high risk. SWA is optimized for pulling through ducts and vertical drops, while STA is ideal for flat ground burial with high crush hazards.

## Description

Farwalk Cable's Armoured series ensures your power network remains safe under the most extreme conditions. Manufactured to IEC 60502-1 and BS 5467 standards, these multi-core cables feature XLPE insulation for high thermal capacity, an extruded inner bedding, and a heavy galvanized steel armour layer securely jacketed by a UV and weather-resistant outer sheath.

## Specifications

- **Rated Voltage (U<sub>0</sub>/U): 0.6/1 kV (U<sub>m</sub> = 1.2 kV)**
- **Standard Compliance: IEC 60502-1, BS 5467, GB/T 12706.1**
- **Max Conductor Temp: 90°C (Continuous); 250°C (Short Circuit)**
- **Armour Options: Galvanized Steel Wire (SWA) or Steel Tape (STA)**
- **Min Bending Radius: 12 x Overall Diameter (Multicore Armoured)**

# Farwalk Cable — Armoured Power Cable

## Complete Technical Tables

### BS 5467 (Steel Wire Armoured)

Nom. Area (mm <sup>2</sup> )	Core Type	Insulation Thick. (mm)	SWA Wire Dia. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)
<b>3 Core - Cu / XLPE / SWA / PVC</b>					
3 x 16	RM	0.7	1.25	20.5	950
3 x 25	RM	0.9	1.6	25.2	1550
3 x 35	SM	0.9	1.6	27.5	1850
3 x 50	SM	1.0	1.6	30.5	2350
3 x 70	SM	1.1	2.0	35.5	3450
3 x 95	SM	1.1	2.0	39.5	4450
3 x 120	SM	1.2	2.5	44.5	5850
3 x 150	SM	1.4	2.5	48.2	7050
3 x 185	SM	1.6	2.5	52.5	8550
3 x 240	SM	1.7	2.5	58.8	10850
<b>4 Core - Cu / XLPE / SWA / PVC</b>					
4 x 16	RM	0.7	1.25	21.5	1150
4 x 25	RM	0.9	1.6	27.2	1850
4 x 35	SM	0.9	1.6	29.5	2250
4 x 50	SM	1.0	1.6	31.8	2750
4 x 70	SM	1.1	2.0	38.5	4200
4 x 95	SM	1.1	2.0	42.5	5450
4 x 120	SM	1.2	2.5	48.2	7250
4 x 150	SM	1.4	2.5	52.5	8750
4 x 185	SM	1.6	2.5	57.5	10550
4 x 240	SM	1.7	2.5	64.8	13550

## IEC 60502-1 (Steel Tape Armoured)

Nom. Area (mm <sup>2</sup> )	Core Type	Insulation Thick. (mm)	STA Thick. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)
<b>3 Core - Cu / XLPE / STA / PVC (e.g. YJV22, N2XBY)</b>					
3 x 16	RM	0.7	0.2	18.5	780
3 x 25	RM	0.9	0.2	22.2	1150
3 x 35	SM	0.9	0.2	24.5	1420
3 x 50	SM	1.0	0.2	27.5	1850
3 x 70	SM	1.1	0.5	32.5	2750
3 x 95	SM	1.1	0.5	36.5	3650
3 x 120	SM	1.2	0.5	41.5	4650
3 x 150	SM	1.4	0.5	45.2	5650
3 x 185	SM	1.6	0.5	49.5	6850
3 x 240	SM	1.7	0.5	55.8	8850
<b>4 Core - Cu / XLPE / STA / PVC (e.g. YJV22, N2XBY)</b>					
4 x 16	RM	0.7	0.2	19.5	920
4 x 25	RM	0.9	0.2	24.2	1450
4 x 35	SM	0.9	0.2	26.5	1820
4 x 50	SM	1.0	0.2	29.8	2350
4 x 70	SM	1.1	0.5	35.5	3450
4 x 95	SM	1.1	0.5	39.5	4550
4 x 120	SM	1.2	0.5	45.2	5850
4 x 150	SM	1.4	0.5	49.5	7150
4 x 185	SM	1.6	0.5	54.5	8650
4 x 240	SM	1.7	0.5	61.8	11150