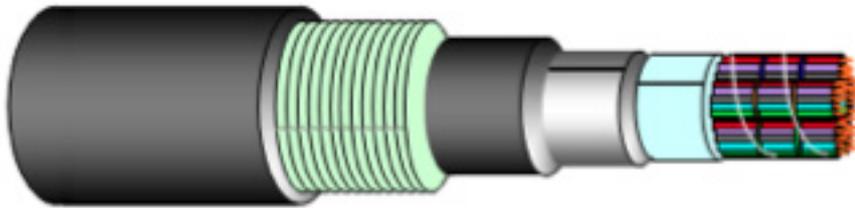


## A-2Y(L)2Y(SR)2Y ...x1x1.5mm<sup>2</sup>

(Based on EAPSP - TDT 1158 Rev 01)



Solid polyethylene insulated, core, construction, aluminium shielded, armoured, polyethylene inner / outer sheathed cables.

### Application

Cables can be installed directly into the ground or in ducts.

### Color Coding

Cores: black and white (counter core) - with (direction core) - red-grey-blue-brown-green-yellow - red-grey-..... in each layer.  
Sheaths: black

### Technical Data

#### A-2Y(L)2Y(SR)2Y EAPSP

<b>Conductor</b>	Copper, solid, 1.4 mm = 1.5mm <sup>2</sup> , soft annealed
<b>Insulation</b>	PE (2Y-HDPE or MDPE) with thickness 0.8mm
<b>Cable core</b>	With at least one layer of plastic tape with overlay wrapping
<b>Moisture barrier</b>	Laminated sheath formed by an aluminium tape (0.20 mm thick) coated on both sides with copolymer and conded with
<b>Inner sheath</b>	PE (2Y-L(L)DPE), black (Nom thickness 1.4mm)
<b>Armouring</b>	Both side copolymer coated, corrugated steel tape, approx. thickness 0.05/0.15/0.05mm running in longitudinally and applied with overlap
<b>Outer Sheath</b>	PE (2Y L(L)DPE), black Nom. thickness ≤ 19 cores : 1.2 mm Nom. thickness ≤ 37 cores : 1.3 mm Nom. thickness ≤ 48 cores : 1.4 mm
<b>Marking</b>	In one line one time per meter TCDD - year of production - TÜRK PRYSMIAN - EAPSP nx1x1,5 mm <sup>2</sup> - length (m) and - n : Core number

### Mechanical properties

<b>Bending radius</b>	Without load:	≥ 15 x cable diameter mm
	With tension:	≥ 20 x cable diameter mm
<b>Temperature range</b>	During operation:	-20°C to +70°C
	During installation	0°C to +50°C

### Electrical properties

#### At 20 °C ± 5 °C

<b>Conductor diameter</b>	mm	1.4
<b>Conductor cross section</b>	mm <sup>2</sup>	1.5
<b>Core diameter</b>	mm	3.1 ± 0.1
<b>Conductor resistance (mean value)</b>	Ω/km	11.2 + 0.5
<b>Conductor resistance (max value)</b>	Ω/km	≤ 11.9
<b>Insulation resistance</b>	G Ωxkm	10
<b>core/core</b>	Veff	3000
<b>core/armouring</b>	Veff	3500

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