

## A-2Y(St)2Y

CU/PE/OSC/PE



Telecommunications installation cable with PE insulation and sheath and Al-foil screen

### Construction

**Conductor:** Solid copper (Class 1)

**Insulation:** Polyethylene (PE) according to BS EN 50290

**Color code:** As IEC 60708

**Separator:** plastic tape

**Individual and collective screen :** Polyester tape (PET) Aluminum / polyester tape (Al/PET)

**Sheath:** Polyethylene (PE)

**sheath colour:** blue (RAL 5015) or black



### ELECTRICAL CHARACTERISTICS

Nominal Cross Sectional Diameter mm <sup>2</sup>	Electrical resistance of conductor (ohm/Km)	Mutual capacitance Maximum average nF/km(20 pair or more)	Capacitance unbalance Individual value PF Pair-to-pair
<b>0.4</b>	<b>150</b>	<b>55</b>	<b>250</b>
<b>0.6</b>	<b>66.6</b>		<b>250</b>
<b>0.8</b>	<b>36.8</b>		<b>160</b>

**Insulation Resistance :** >5000MΩXKm

**bending radius, fixed installation:** 7.5 x D

### Temperature range:

during installation: **-5 °C up to +50 °C**

fixed installed (construction 2Y): **-30 °C up to +70 °C**

fixed installed (construction 2X): **-30 °C up to +90 °C**

**Nominal voltage: 300 V**

**Test voltage:**

core - core: **1500 V**

core - screen: **1500 V**

### APPLICATION

These multi-element metallic cables are designed for the signal transmission in instrumentation, analogue and digital communication, and control applications in process plants such as those found in the petrochemical and power generation industries. This range of cables is particularly suitable for applications requiring the cable to withstand electromagnetic interference due to their protective screen. RE-2Y(st)2Y are suitable for both fixed and mobile installations. Their low values of signal attenuation and low mutual capacitance enable signal transmission over long distances.

### DESIGN STANDARDS

**DIN VDE 0816**  
**IEC 60708**

## A-2Y(St)2Y

CU/PE/OSC/PE

Code No.	Dimensions - number of cores x conductor diameter	External diameter	Sheath thickness	Cable weight	Packing*
		Approx. mm	nominal mm	approx. kg/km	
	N x mm <sup>2</sup>				
22224	2 x 2 x 0,4	4.7	1,0	19	CUT
22424	4 x 2 x 0,4	5.2	1,0	27	CUT
22624	6 x 2 x 0,4	5.8	1,0	35	CUT
22824	8 x 2 x 0,4	6.2	1,0	42	CUT
221024	10 x 2 x 0,4	6.5	1,0	49	CUT
222024	20 x 2 x 0,4	9.1	1,4	95	CUT
223024	30 x 2 x 0,4	11	1,4	138	CUT
224024	40 x 2 x 0,4	12.2	1,4	175	CUT
225024	50 x 2 x 0,4	12.7	1,8	202	CUT
227024	70 x 2 x 0,4	16.1	1,8	302	CUT
2210024	100 x 2 x 0,4	17.4	1,8	390	CUT
2215024	150 x 2 x 0,4	21.2	1,8	580	CUT
2220024	200 x 2 x 0,4	24.9	2,0	769	CUT
<b>Separator</b>					
22226	2 x 2 x 0,6	5.8	1.0	30	CUT
22426	4 x 2 x 0,6	6.6	1.0	46	CUT
22626	6 x 2 x 0,6	7.4	1.0	62	CUT
22826	8 x 2 x 0,6	8.1	1.0	77	CUT
221026	10 x 2 x 0,6	8.6	1.0	92	CUT
222026	20 x 2 x 0,6	12.0	1.4	182	CUT
223026	30 x 2 x 0,6	14.4	0.6	264	CUT
224026	40 x 2 x 0,6	16.6	1.8	348	CUT
225026	50 x 2 x 0,6	18.8	1.8	433	CUT
227026	70 x 2 x 0,6	20.7	1.8	575	CUT
2210026	100 x 2 x 0,6	24.4	2.0	811	CUT
2215026	150 x 2 x 0,6	29.0	2.0	1173	CUT
2220026	200 x 2 x 0,6	33.1	2.2	1536	
<b>Separator</b>					
22228	2 x 2 x 0,8	6.8	1.0	47	CUT
22428	4 x 2 x 0,8	7.7	1.0	73	CUT
22628	6 x 2 x 0,8	8.9	1.0	100	CUT
221028	10 x 2 x 0,8	11.1	1.4	163	CUT
222028	20 x 2 x 0,8	15.2	1.8	309	CUT
223028	30 x 2 x 0,8	17.8	1.8	436	CUT
224028	40 x 2 x 0,8	19.9	1.8	563	CUT
225028	50 x 2 x 0,8	22.2	1.9	706	CUT
227028	70 x 2 x 0,8	25.8	2.0	961	CUT
2210028	100 x 2 x 0,8	30.4	2.2	1360	CUT

\*) Packing: CUT = cable in different lengths on drum or reel, possible cutting at required length