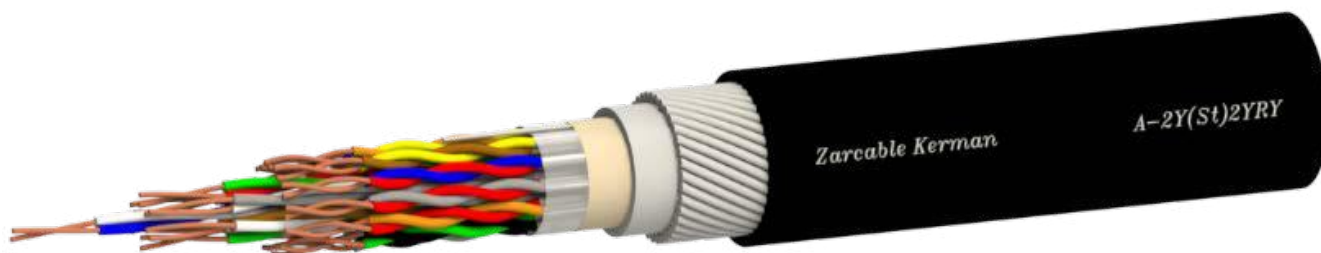


A-2Y(St)2YRY

CU/PE/OSC/PE Bedding/SWA/PVC



Armored Telecommunications installation cable with PE insulation and PVC 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)

Armour galvanized round steel wires, acc. to EN 10257-1

Sheath: Polyvinyl Chloride (PVC)

sheath colour: blue (RAL 5015) or black



ELECTRICAL CHARACTERISTICS

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

Insulation Resistance : >5000MΩXKm

bending radius, fixed installation: 10 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

Cable with protective screen against electromagnetic impacts, for reliable and quick (up to 200 kB/s) transmission of analogue and digital signals, suitable for fixed and mobile installations in process control and data processing systems, mostly in chemical and petrochemical industrial plants and electric power plants. Low values of signal attenuation and low mutual capacitance enable large-distance signal transmission. Steel wire armour ensures resistance to mechanical damages. Laid in dry and damp premises, also outdoor, in air or ground. Not intended for supply purposes.

DESIGN STANDARDS

Generally as IEC 60708

A-2Y(St)2YRY

CU/PE/OSC/PE Bedding/SWA/PVC

Code No.	Dimensions - number of cores x conductor diameter	Diameter Under Armor	Armour wire Diameter	External diameter	Sheath thickness	Cable weight	Packing*
	N x mm ²	Approx. mm	mm	Approx. mm	nominal mm	approx. kg/km	
Conductor size : 0.6 mm							
23226	2 x 2 x 0,6	5.9	0.9	10.5	1.4	205	CUT
23426	4 x 2 x 0,6	6.7	0.9	11.1	1.4	240	CUT
23626	6 x 2 x 0,6	7.5	0.9	12.2	1.4	275	CUT
231026	10 x 2 x 0,6	9.2	0.9	13.8	1.4	350	CUT
231526	15 x 2 x 0,6	10.9	0.9	15.7	1.6	450	CUT
232026	20 x 2 x 0,6	11.9	1.6	17.2	1.6	520	CUT
233026	30 x 2 x 0,6	14.2	1.6	19.1	1.6	640	CUT
235026	50 x 2 x 0,6	17.5	1.8	23.5	1.8	1035	CUT
2310026	100 x 2 x 0,6	23.7	2.0	30.9	2.0	1820	CUT
2315026	150 x 2 x 0,6	28.5	2.0	36.8	2.2	2640	CUT
2320026	200 x 2 x 0,6	32.1	2.0	40.8	2.2	3185	CUT
Conductor size : 0.8 mm							
23228	2 x 2 x 0,8	6.9	0.9	11.5	1.4	245	CUT
23428	4 x 2 x 0,8	7.8	0.9	12.4	1.4	305	CUT
23628	6 x 2 x 0,8	9.0	0.9	13.8	1.4	355	CUT
23828	8 x 2 x 0,8	9.7	0.9	14.5	1.4	405	CUT
231028	10 x 2 x 0,8	11.2	0.9	15.8	1.4	465	CUT
231528	15 x 2 x 0,8	13.1	0.9	17.8	1.4	570	CUT
232028	20 x 2 x 0,8	14.5	1.3	20.2	1.6	805	CUT
232528	25 x 2 x 0,8	15.8	1.3	21.2	1.6	895	CUT
233028	30 x 2 x 0,8	17.1	1.3	22.4	1.6	985	CUT
235028	50 x 2 x 0,8	21.7	1.6	28.2	1.6	1580	CUT
2310028	100 x 2 x 0,8	29.8	2.0	37.2	1.8	2810	CUT

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