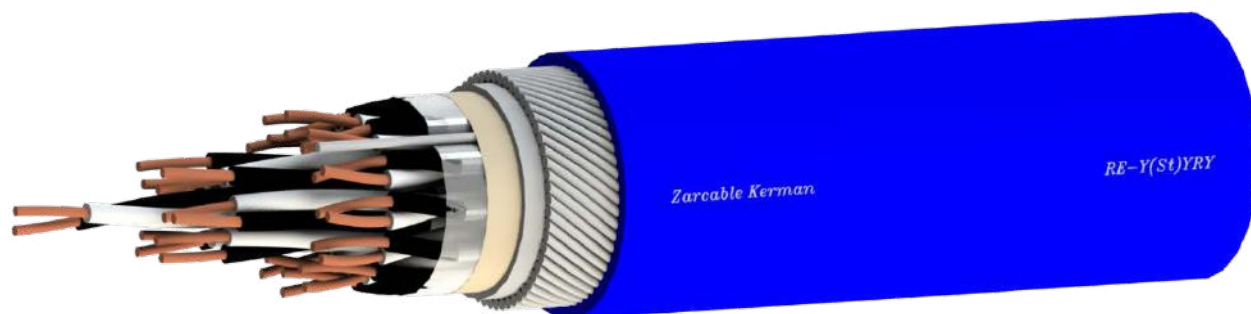


RE-Y(St)YRY Multi pair

CU/PVC /OSCR/SWA/PVC



Flame Retardant and UV Resistant / Instrumentation Cable

Construction

Conductor:	Plain annealed stranded copper wires (IEC/BS/EN 60228, VDE 0295 Class 2)
Insulation:	PVC (BS/EN 50290-2, VDE 0207 Y11)
Colour code:	Pair: Black / white , numbered ; Triple: Black/white/red, numbered
Lay-up	Pairs/Triples are stranded in layers
Separator	Polyester tape
Overall Shielding	24 µm aluminum / PETP tape over 7-stranded tinned copper drain wire, 0.5 mm ²
Inner Sheath	EN 50290-2-22 PVC Compound
Armour	Galvanized Round Steel Wires
Outer Sheath:	UV resistant, Flame retardant PVC (BS/EN 50290-2, VDE 0207 YM1, thickness VDE 0816-2), Black or Blue (RAL 5015) [other colors upon request]

sheath colour: Blue Ral 5005

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. Laid in dry and damp premises, also outdoor, in air or ground. Not intended for supply purposes

NOTES



RE Instrumentation Cable

Fl*: Flame retardant outer sheath

Yv*: Reinforced sheath version available on request

Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe

Ral 9005 black sheath*: Places where UV resistance is required

Ral 7032 grey sheath*: Inside of buildings

Technical data

Conductor Resistance class2(Max)	Insulation Resistance (Min)	Insulation Thickness (Nom)	MUTUAL CAPACITY (Max)	Temperature Range	Flame Propagation
mm ²	Ω/km	MΩxKm	mm ²	°C	
0.5	36		0.5	-30°C-+70°C	IEC 60332-3-24 VDE 0482-332-3-2 EN 60332-3-24 BS EN 60332-3-24
0.75	24.5		0.75	(FIXED LAYING)	
1.0	18.1		1.0		
1.5	12.1	100	1.5		
2.5	7.41		2.5		
			0.7		

L/R(Ratio) (Max)	Current Load(25°C)	Operating Voltage	Test Voltage	Bending Radius
mm ²	µH/Ω	mm ²	A	
0.5	25	0.5	6	Cr./Cr.=2000 V Cr./Scrn.=2000 V 7,5 X Cable Ø
0.75	25	0.75	13	
1.0	25	1.0	16	
1.5	40	1.5	20	
2.5	60	2.5	25	

Temperature Range Fixed -40 °C to+70 °C ; During Installation -5 °C -+50 °C

Flame Test IEC/EN/BS/DIN 60332-1-2 (VDE 0482-332-1-2)

Design Standards

IEC 60092-376
EN 50288-7
DIN VDE 819-7

RE-Y(St)YRY Multi pair (0.5-2.5)

CU/PVC/OSCR/SWA/PVC

Code No.	No. of cores	External diameter	Armour Wire Diameter	Cable weight	Packing*
	N x mm ²	approx. mm	nominal mm	approx. kg/km	
Cross Section :0.5					
3715	1	11.0	0.9	235	CUT
3725	2	13.9	0.9	330	CUT
3735	3	14.4	0.9	360	CUT
3745	4	15.3	0.9	405	CUT
3755	5	16.3	0.9	450	CUT
3765	6	17.5	0.9	500	CUT
3775	7	17.5	0.9	515	CUT
37105	10	21.7	1.25	800	CUT
37125	12	22.4	1.25	860	CUT
37165	16	24.3	1.25	1000	CUT
37205	20	26.6	1.25	1160	CUT
37245	24	29.7	1.6	1480	CUT
37305	30	31.3	1.6	1665	CUT
Cross Section :0.75					
3717	1	11.4	0.9	250	CUT
3727	2	14.6	0.9	360	CUT
3737	3	15.2	0.9	400	CUT
3747	4	16.2	0.9	450	CUT
3757	5	17.4	0.9	510	CUT
3767	6	18.6	0.9	570	CUT
3777	7	18.6	0.9	595	CUT
37107	10	23.2	1.25	915	CUT
37127	12	23.8	1.25	990	CUT
37167	16	25.9	1.25	1150	CUT
37207	20	29.2	1.6	1515	CUT
37247	24	32.0	1.6	1730	CUT
37307	30	33.5	1.6	1945	CUT
Cross Section :1.0					
37110	1	11.8	0.9	270	CUT

Code No.	No. of cores	External diameter	Armour Wire Diameter	Cable weight	Packing*
	N x mm ²	approx. mm	nominal mm	approx. kg/km	
Cross Section :1.5					
37115	1	13.4	0.9	295	CUT
37215	2	16.1	0.9	440	CUT
37315	3	16.9	0.9	500	CUT
37415	4	18.3	0.9	585	CUT
37515	5	19.5	0.9	660	CUT
37615	6	21.8	1.25	880	CUT
37715	7	21.8	1.25	920	CUT
371015	10	26.6	1.25	1225	CUT
371215	12	27.3	1.25	1325	CUT
371615	16	30.7	1.6	1780	CUT
372015	20	33.6	1.6	2065	CUT
372415	24	37.6	2.0	2645	CUT
373015	30	39.7	2.0	3015	CUT
Cross Section :2.5					
37125	1	13.8	0.9	360	CUT
37225	2	18.4	0.9	555	CUT
37325	3	19.3	0.9	645	CUT
37425	4	21.6	1.25	880	CUT
37525	5	23.2	1.25	1000	CUT
37625	6	24.9	1.25	1130	CUT
37725	7	24.9	1.25	1190	CUT
371025	10	21.6	1.6	1790	CUT
371225	12	32.5	1.6	1970	CUT
371625	16	36.4	2.0	2625	CUT
372025	20	40.6	2.0	3135	CUT
372425	24	45.5	2.5	4010	CUT
373025	30	48.0	2.5	4540	CUT

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