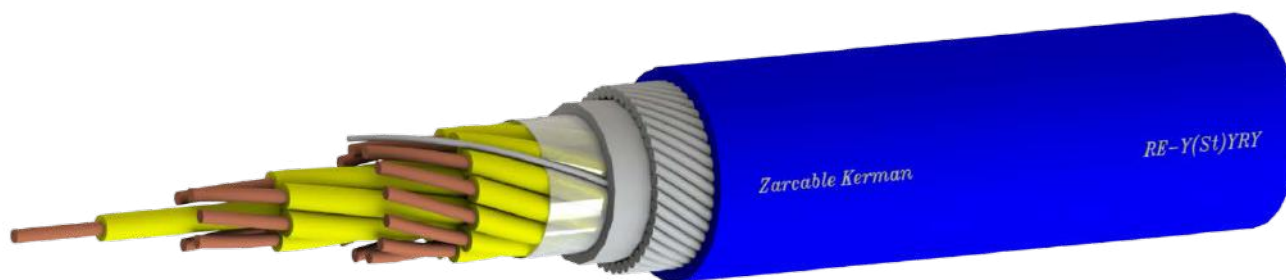


# RE-Y(St)YRY Multicore

CU/PVC/OSCR/SWA/PVC



Flame Retardant and UV Resistant / Instrumentation Control 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:	Yellow INSULATED CORES[other colors upon request]
Stranding	IN LAYERS OF OPTIMUM PITCH
Overall Shielding	24 $\mu$ m aluminum / PETP tape over 7-stranded tinned copper drain wire, 0.5 mm <sup>2</sup>
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	Propagat
mm <sup>2</sup>	$\Omega$ /km	M $\Omega$ xKm	mm	mm <sup>2</sup> pF/m		
0.5	36		0.6	0.5	160	-30°C-+70°C (FIXED LAYING)
0.75	24.5		0.6	0.75	160	IEC 60332-3-24 VDE 0482-332-3-2 EN 60332-3-24 BS EN 60332-3-24
1.0	18.1	100	0.6	1.0	160	
1.5	12.1		0.6	1.5	170	
2.5	7.41		0.7	2.5	170	

L/R(Ratio) (Max)	Current Load(25°C)	Operating Voltage	Test Voltage	Bending Radius
mm <sup>2</sup>	$\mu$ H/ $\Omega$	mm <sup>2</sup>	A	
0.5	25	0.5	6	300/500V 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	

Capacitance Unbalance (max) (800Hz) 500 pF/500m

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

Bending Radius 10 X Cable Ø

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 Multicore (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 <sup>2</sup>	approx. mm	nominal mm	approx. kg/km	
<b>Cross Section :0.5</b>					
3425	2	11.0	0.9	230	CUT
3435	3	11.3	0.9	245	CUT
3445	4	11.9	0.9	270	CUT
3455	5	12.5	0.9	295	CUT
3465	6	13.3	0.9	330	CUT
3475	7	13.3	0.9	335	CUT
3485	8	14.5	0.9	380	CUT
34105	10	15.4	0.9	420	CUT
34125	12	15.7	0.9	445	CUT
34165	16	16.9	0.9	515	CUT
34205	20	18.4	0.9	590	CUT
34245	24	19.8	0.9	665	CUT
34305	30	21.3	1.25	865	CUT
<b>Cross Section :0.75</b>					
3427	2	11.4	0.9	255	CUT
3437	3	11.8	0.9	270	CUT
3447	4	12.4	0.9	300	CUT
3457	5	13.2	0.9	335	CUT
3467	6	13.9	0.9	365	CUT
3477	7	13.9	0.9	380	CUT
3487	8	15.3	0.9	430	CUT
34107	10	16.2	0.9	475	CUT
34127	12	16.5	0.9	510	CUT
34167	16	18.0	0.9	600	CUT
34207	20	19.5	0.9	690	CUT
34247	24	21.9	1.25	915	CUT
34307	30	22.9	1.25	1015	CUT
<b>Cross Section :1.0</b>					
34210	2	11.8	0.9	270	CUT
34310	3	12.2	0.9	290	CUT
34410	4	13.0	0.9	330	CUT
34510	5	13.7	0.9	360	CUT
34610	6	14.5	0.9	400	CUT
34710	7	14.5	0.9	410	CUT
34810	8	16.0	0.9	470	CUT
341010	10	16.9	0.9	525	CUT
341210	12	17.5	0.9	570	CUT
341610	16	18.9	0.9	670	CUT
342010	20	20.5	0.9	775	CUT
342410	24	23.0	1.25	1025	CUT
343010	30	24.0	1.25	1140	CUT

Code No.	No. of cores	External diameter	Armour wire Diameter	Cable weight	Packing*
	N x mm <sup>2</sup>	approx. mm	nominal mm	approx. kg/km	
<b>Cross Section :1.5</b>					
34215	2	12.4	0.9	295	CUT
34315	3	13.0	0.9	330	CUT
34415	4	13.7	0.9	375	CUT
34515	5	14.5	0.9	415	CUT
34615	6	15.4	0.9	460	CUT
34715	7	15.4	0.9	480	CUT
34815	8	17.2	0.9	550	CUT
341015	10	18.3	0.9	625	CUT
341215	12	18.8	0.9	675	CUT
341615	16	20.3	0.9	800	CUT
342015	20	23.0	1.25	1075	CUT
342415	24	24.8	1.25	1230	CUT
343015	30	26.0	1.25	1390	CUT
<b>Cross Section :2.5</b>					
34225	2	13.8	0.9	355	CUT
34325	3	14.4	0.9	405	CUT
34425	4	15.2	0.9	455	CUT
34525	5	16.2	0.9	520	CUT
34625	6	17.4	0.9	590	CUT
34725	7	17.4	0.9	620	CUT
34825	8	19.5	0.9	710	CUT
341025	10	21.7	1.25	950	CUT
341225	12	22.3	1.25	1030	CUT
341625	16	24.1	1.25	1215	CUT
342025	20	26.5	1.25	1435	CUT
342425	24	29.4	1.6	1825	CUT
343025	30	31.0	1.6	2075	CUT

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