

# RE-Y(St)Y Multi Triple

CU/PVC /OSCR/PVC



Flame Retardant and UV Resistant / Instrumentation Cable

## Construction

Conductor:	Plain annealed stranded copper wires (IEC/BS/E 60228, VDE 0295 Class 2)
Insulation:	PVC (BS/EN 50290-2, VDE 0207 Y11)
Colour code:	Pair: Black / white , numbered ; Triple: Black/white/Blue, numbered
Lay-up	Pairs/Triples are stranded in layers
Separator	Polyester tape
Overall Shielding	24 $\mu$ m aluminum / PETP tape over 7-stranded tinned copper drain wire, 0.5 mm <sup>2</sup>
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 <sup>2</sup>	$\Omega$ /km	M $\Omega$ xKm	mm	mm <sup>2</sup>	pF/m	- 30°C--+70°C (FIXED LAYING)	IEC 60332-3-24 VDE 0482-332-3-2 EN 60332-3-24 BS EN 60332-3-24
0.5	36	100	0.6	0.5	250		
0.75	24.5		0.6	0.75			
1.0	18.1		0.6	1.0			
1.3	13.9		0.6	1.3			
1.5	12.1		0.6	1.5			
2.5	7.41		0.7	2.5			

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	300/500V	Cr./Cr.=2000 V Cr./Scr.=2000 V	7,5 X Cable $\emptyset$
0.5	25	0.5	6			
0.75	25	0.75	13			
1.0	25	1.0	16			
1.3	40	1.3	18			
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)Y Multi Triple (0.5-2.5)

CU/PVC/OSCR/PVC

Code No.	No. of cores N x mm <sup>2</sup>	External diameter approx. mm	Insulation thickness nominal mm	Cable weight approx. kg/km	Packing*
<b>Cross Section :0.5</b>					
3315	1	6.7	0.6	55	CUT
3325	2	10.2	0.6	100	CUT
3335	3	10.9	0.6	130	CUT
3345	4	11.9	0.6	160	CUT
3355	5	13.2	0.6	195	CUT
3365	6	14.4	0.6	225	CUT
3375	7	14.4	0.6	255	CUT
33105	10	18.5	0.6	360	CUT
33125	12	19.1	0.6	415	CUT
33165	16	21.4	0.6	540	CUT
33205	20	24.1	0.6	670	CUT
33245	24	26.9	0.6	805	CUT
33305	30	28.5	0.6	970	CUT
<b>Cross Section :0.75</b>					
3317	1	7.2	0.6	65	CUT
3327	2	11.0	0.6	120	CUT
3337	3	11.7	0.6	160	CUT
3347	4	13.0	0.6	205	CUT
3357	5	14.2	0.6	245	CUT
3367	6	15.5	0.6	290	CUT
3377	7	15.5	0.6	325	CUT
33107	10	20.2	0.6	470	CUT
33127	12	20.9	0.6	545	CUT
33167	16	23.5	0.6	710	CUT
33207	20	26.4	0.6	880	CUT
33247	24	29.5	0.6	1055	CUT
33307	30	31.3	0.6	1280	CUT
<b>Cross Section :1.0</b>					
33110	1	7.6	0.6	75	CUT
33210	2	11.7	0.6	140	CUT
33310	3	12.4	0.6	190	CUT
33410	4	13.8	0.6	245	CUT
33510	5	15.1	0.6	300	CUT
33610	6	16.7	0.6	355	CUT
33710	7	16.7	0.6	400	CUT
331010	10	21.6	0.6	565	CUT
331210	12	22.3	0.6	660	CUT
331610	16	25.1	0.6	860	CUT
332010	20	28.2	0.6	1070	CUT
332410	24	31.5	0.6	1280	CUT
333010	30	33.6		1575	CUT

Code No.	No. of cores N x mm <sup>2</sup>	External diameter approx. mm	Insulation thickness nominal mm	Cable weight approx. kg/km	Packing*
<b>Cross Section :1.5</b>					
33115	1	8.1	0.6	100	CUT
33215	2	13.0	0.6	190	CUT
33415	3	13.8	0.6	255	CUT
33515	4	15.2	0.6	325	CUT
33615	5	16.9	0.6	400	CUT
33715	6	18.4	0.6	475	CUT
33815	7	18.4	0.6	535	CUT
331015	10	24.0	0.6	765	CUT
331215	12	24.9	0.6	895	CUT
331615	16	27.9	0.6	1175	CUT
332015	20	31.4	0.6	1460	CUT
332415	24	35.1	0.6	1745	CUT
333015	30	37.3	0.6	2150	
<b>Cross Section :2.5</b>					
33125	1	9.8	0.7	140	CUT
33225	2	15.3	0.7	270	CUT
33325	3	16.5	0.7	380	CUT
33425	4	18.2	0.7	485	CUT
33525	5	20.2	0.7	600	CUT
33625	6	22.3	0.7	715	CUT
33725	7	22.3	0.7	815	CUT
331025	10	29.1	0.7	1165	CUT
331225	12	30.1	0.7	1370	CUT
331625	16	33.7	0.7	1800	CUT
332025	20	38.1	0.7	2245	CUT
332425	24	42.6	0.7	2690	CUT
333025	30	45.4	0.7	3315	CUT

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