

# RE-2X(St)YRY Multi Triple

CU/XLPE /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:	EN 50290-2-29 XLPE COMPOUND
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 µm 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)
sheath colour:	RAL 5015* BLUE; RAL 9005* BLACK [other colors upon request]

## APPLICATION

- Instrumentation and control engineering analog and digital signal transmission
- Petroleum refineries
- Petrochemistry industry
- Power plants
- Natural gas pump stations
- Indoors and outdoors, dry, damp and wet environments
- Gas Stations
- Water Conveyance Systems



## 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>	Ω/km	MΩxKm	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		0.6	0.5			
0.75	24.5		0.6	0.75			
1.0	18.1	5000	0.6	1.0	250		
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>	µH/Ω	mm <sup>2</sup>	A	300/500V	Cr./Cr.=2000 V Cr./Scrn.=2000 V	7,5 X Cable Ø
0.5	25	0.5	6			
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 -30 °C to+90 °C ; During Installation -5 °C +50 °C  
Bending Radius 10 x D

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-2X(St)YRY Multi Triple (0.5-2.5)

CU/XLPE/OSCR/SWA/PVC

Code No.	No. of cores N x mm <sup>2</sup>	External diameter approx. mm	Armour Wire Diameter nominal mm	Cable weight approx. kg/km	Packing*
<b>Cross Section :0.5</b>					
7115	1	12.4	0.9	280	CUT
7125	2	16.6	0.9	425	CUT
7135	3	17.4	0.9	475	CUT
7145	4	18.9	0.9	545	CUT
7155	5	20.2	0.9	610	CUT
7165	6	22.3	1.25	805	CUT
7175	7	22.3	1.25	830	CUT
71105	10	27.4	1.25	2000	CUT
71125	12	29.0	1.6	1365	CUT
71165	16	31.6	1.6	1590	CUT
71205	20	35.7	2.0	2085	CUT
71245	24	39.1	2.0	2380	CUT
71305	30	41.1	2.0	2655	CUT
<b>Cross Section :0.75</b>					
7117	1	12.8	0.9	300	CUT
7127	2	17.4	0.9	465	CUT
7137	3	18.4	0.9	530	CUT
7147	4	19.8	0.9	605	CUT
7157	5	22.0	1.25	820	CUT
7167	6	23.7	1.25	910	CUT
7177	7	23.7	1.25	945	CUT
71107	10	29.8	1.6	1440	CUT
71127	12	30.7	1.6	1545	CUT
71167	16	33.7	1.6	1820	CUT
71207	20	38.0	2.0	2385	CUT
71247	24	41.5	2.0	2710	CUT
71307	30	45.2	2.5	3535	CUT
<b>Cross Section :1.0</b>					
71110	1	13.4	0.9	325	CUT

Code No.	No. of cores N x mm <sup>2</sup>	External diameter approx. mm	Armour Wire Diameter nominal mm	Cable weight approx. kg/km	Packing*
<b>Cross Section :1.5</b>					
71115	1	14.0	0.9	361	CUT
71215	2	19.4	0.9	575	CUT
71315	3	20.4	0.9	665	CUT
71415	4	22.9	1.25	910	CUT
71515	5	24.6	1.25	1035	CUT
71615	6	26.4	1.25	1165	CUT
71715	7	26.4	1.25	1235	CUT
711015	10	33.6	1.6	1860	CUT
711215	12	35.4	2.0	2280	CUT
711615	16	38.9	2.0	2720	CUT
712015	20	44.4	2.5	3635	CUT
712415	24	48.6	2.5	4125	CUT
713015	30	51.4	2.5	4680	CUT
<b>Cross Section :2.5</b>					
71125	1	15.4	0.9	430	CUT
71225	2	22.6	1.25	850	CUT
71325	3	23.8	1.25	980	CUT
71425	4	25.7	1.25	1150	CUT
71525	5	28.6	1.6	1490	CUT
71625	6	30.8	1.6	1675	CUT
71725	7	30.8	1.6	1775	CUT
711025	10	39.3	2.0	2675	CUT
711225	12	40.4	2.0	2935	CUT
711625	16	46.1	2.5	3989	CUT
712025	20	50.9	2.5	4705	CUT
712425	24	57.3	3.15	6045	CUT
713025	30	60.9	3.15	6940	CUT

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