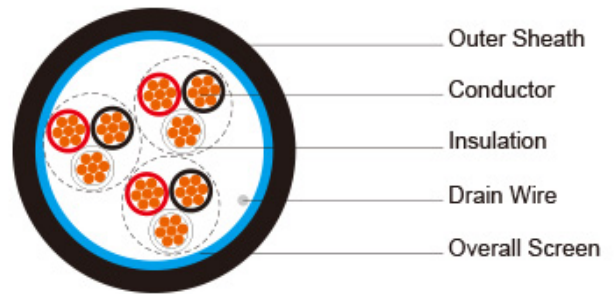


**XLPE Insulated, LSZH Sheathed & Overall
Screened Instrumentation Cables (Multitriples)**



RE-2X(St)H 90°C / 300 V

STANDARDS	Basic design to EN 50288-7
APPLICATION	Instrument cable minimizes noise and signal interference, delivering clean signals in harsh environments and general manufacturing operations.
Flame Retardance (Single Vertical Wire Test)	EN 60332-1-2; IEC 60332-1-2; BS EN 60332-1-2; VDE 0482-332-1; NBN C 30-004 (cat. F1); NF C32-070-2.1(C2); CEI 20-35/1-2; EN 50265-2-1*; DIN VDE 0482-265-2-1*
Reduced Propagation (Vertically-mounted bundled wires & cable test)***	Fire EN 60332-3-24 (cat. C); IEC 60332-3-24; BS EN 60332-3-24; VDE 0482-332-3; NBN C 30-004 (cat. F2); NF C32-070-2.2(C1); CEI 20-22/3-4; EN 50266-2-4*; DIN VDE 0482-266-2-4
Halogen Free	IEC 60754-1; EN 50267-2-1; DIN VDE 0482-267-2-1; CEI 20-37/2-1 ; BS 6425-1*
No Corrosive Emission	Gas IEC 60754-2; EN 50267-2-2; DIN VDE 0482-267-2-2; CEI 20-37/2-2 ; BS 6425-2*
Minimum Emission	Smoke IEC 61034-1&2; EN 61034 -1&2; DIN VDE 0482-1034-1&2; CEI 20-37/3-1&2; EN 50268-1&2*; BS 7622-1&2*
No Toxic gases	NES 02-713; NF C 20-454
Sunlight Resistance	UL 1581 section 1200
Oil Resistance**	ICEA S-73-532

Note: Asterisk * denotes superseded standard, ** denotes Test temperature +60°C, duration 4h. Retention: min 60% of tensile strength/min.60% of elongation, *** denotes optional.

VOLTAGE RATING	300V
CABLE CONSTRUCTION	
Conductor:	Annealed copper solid or plain copper stranded to IEC 60228 Class 2.
Insulation:	Extruded cross-linked XLPE compound, EN 50290. 2-29.
Triple:	Three conductors twisted to form a triple

Lay-up:	Triples laid up in layers of optimum pitch
Separator:	Polyester tape
Overall Screen:	Aluminium/polyester tape with tinned copper drain wire, 0.5mm ²
Outer Sheath:	Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1 (Thermosetting LSZH compound type SW2-SW4 as per BS 7655-2.6 can be offered.). UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option.

COLOUR CODE

Insulation:	Black / White / Red, continuously numbered on white core(1, 2..)for multitriples.
Outer Sheath:	Black or blue for intrinsically safe systems
Physical AND THERMAL PROPERTIES	
Temperature Range During Operation (Fixed State):	-30°C – +90°C
Temperature Range During Installation (Mobile State):	-5°C – +50°C
Minimum Bending Radius:	7.5 X Overall Diameter

CONSTRUCTION PARAMETERS

Cable Code	RE-2X(St)H				
	No. of Triples x3xCross Section	Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Nominal Overall Diameter	Approx. Weight
	No.x3xmm ²	mm	mm	mm	kg/km
0.5mm ² , Multi-striple					
RE-2X(St)H 2T0.5	2x3x0,50	0.35	0.9	8.4	91
RE-2X(St)H 4T0.5	4x3x0,50	0.35	1.0	9.8	123
RE-2X(St)H 5T0.5	5x3x0,50	0.35	1.0	10.8	155
RE-2X(St)H 6T0.5	6x3x0,50	0.35	1.0	12.1	185
RE-2X(St)H 8T0.5	8x3x0,50	0.35	1.1	13.1	221
RE-2X(St)H 10T0.5	10x3x0,50	0.35	1.1	14.7	275

RE-2X(St)H 12T0.5	12x3x0,50	0.35	1.1	15.2	316
RE-2X(St)H 16T0.5	16x3x0,50	0.35	1.2	17.4	414
RE-2X(St)H 20T0.5	20x3x0,50	0.35	1.2	19.1	508
RE-2X(St)H 24T0.5	24x3x0,50	0.35	1.3	20.9	594
0.75mm ² , Multi-stripe					
RE-2X(St)H 2T0.75	2x3x0,75	0.38	0.9	9.3	114
RE-2X(St)H 4T0.75	4x3x0,75	0.38	1.0	10.9	163
RE-2X(St)H 5T0.75	5x3x0,75	0.38	1.0	12.0	199
RE-2X(St)H 6T0.75	6x3x0,75	0.38	1.1	13.7	245
RE-2X(St)H 8T0.75	8x3x0,75	0.38	1.1	14.7	296
RE-2X(St)H 10T0.75	10x3x0,75	0.38	1.2	16.7	366
RE-2X(St)H 12T0.75	12x3x0,75	0.38	1.2	17.3	423
RE-2X(St)H 16T0.75	16x3x0,75	0.38	1.3	19.7	555
RE-2X(St)H 20T0.75	20x3x0,75	0.38	1.3	21.7	681
RE-2X(St)H 24T0.75	24x3x0,75	0.38	1.4	23.7	802
1.0mm ² , Multi-stripe					
RE-2X(St)H 2T1.0	2x3x1	0.4	1.0	10.4	135
RE-2X(St)H 4T1.0	4x3x1	0.4	1.0	11.9	202
RE-2X(St)H 5T1.0	5x3x1	0.4	1.0	13.2	251
RE-2X(St)H 6T1.0	6x3x1	0.4	1.1	15.0	303
RE-2X(St)H 8T1.0	8x3x1	0.4	1.1	16.1	379

RE-2X(St)H 10T1.0	10x3x1	0.4	1.2	18.4	461
RE-2X(St)H 12T1.0	12x3x1	0.4	1.2	19.0	544
RE-2X(St)H 16T1.0	16x3x1	0.4	1.3	21.7	717
RE-2X(St)H 20T1.0	20x3x1	0.4	1.4	24.1	880
RE-2X(St)H 24T1.0	24x3x1	0.4	1.4	26.1	1048
1.3mm ² , Multi-stripe					
RE-2X(St)H 2T1.3	2x3x1,3	0.45	1.0	11.5	175
RE-2X(St)H 4T1.3	4x3x1,3	0.45	1.1	13.4	258
RE-2X(St)H 5T1.3	5x3x1,3	0.45	1.1	14.8	318
RE-2X(St)H 6T1.3	6x3x1,3	0.45	1.2	16.9	387
RE-2X(St)H 8T1.3	8x3x1,3	0.45	1.2	18.1	474
RE-2X(St)H 10T1.3	10x3x1,3	0.45	1.3	20.7	589
RE-2X(St)H 12T1.3	12x3x1,3	0.45	1.3	21.4	695
RE-2X(St)H 16T1.3	16x3x1,3	0.45	1.4	24.4	918
RE-2X(St)H 20T1.3	20x3x1,3	0.45	1.5	27.1	1124
RE-2X(St)H 24T1.3	24x3x1,3	0.45	1.6	29.6	1336
1.5mm ² , Multi-stripe					
RE-2X(St)H 2T1.5	2x3x1,5	0.45	1.0	11.9	191
RE-2X(St)H 4T1.5	4x3x1,5	0.45	1.1	14.0	287
RE-2X(St)H 5T1.5	5x3x1,5	0.45	1.1	15.4	355
RE-2X(St)H 6T1.5	6x3x1,5	0.45	1.2	17.6	432

RE-2X(St)H 8T1.5	8x3x1,5	0.45	1.3	19.1	540
RE-2X(St)H 10T1.5	10x3x1,5	0.45	1.3	21.6	672
RE-2X(St)H 12T1.5	12x3x1,5	0.45	1.4	22.5	779
RE-2X(St)H 16T1.5	16x3x1,5	0.45	1.5	25.7	1031
RE-2X(St)H 20T1.5	20x3x1,5	0.45	1.6	28.6	1265
RE-2X(St)H 24T1.5	24x3x1,5	0.45	1.7	31.1	1508

Note : Other conductor sizes & core configurations are available upon request.

Electrical PROPERTIES

Conductor Area Size	mm ²	0.5	0.75	1.0	1.3	1.5
Insulation thickness (nominal)	mm	0.35	0.38	0.4	0.45	0.45
Conductor resistance (20°C)	Ω/km	36.7	25.0	18.5	14.2	12.3
Insulation resistance (20°C)	MΩ.km(Min.)	5000				
Mutual Capacitance (1 kHz)	up to 4 trples pF/m(Max.)	90	90	90	102	102
	above 4 trples pF/m(Max.)	75	75	75	85	85
Inductance	mH/km(Max.)	1				
L / R (ratio) (max.)	μH/Ω	25	25	25	40	40
Operating voltage	V	300				
Test Voltage Urms	Core to Core	V	1500			
	Core to Screen	V	1500			