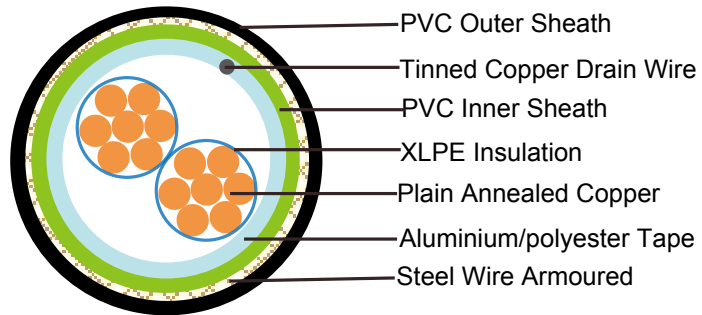




Flame Retardant Overall Screened Instrumentation Cables (Multicore)

RE-2X(St)Y
RE-2X(St)YSWAY



APPLICATION

The PVC versions (Part 1 Type 1&2) are generally use for indoor installation and suitable for wet and damp areas. Generally used within industrial process manufacturing plants for communication, data and voice transmission signals and services.

STANDARDS

Basic design adapted to BS 5308 Part1 Type 1 & 2

FIRE PERFORMANCE

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 Fire Propagation (Vertically-mounted bundled wires & cable test)**	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

Note: Asterisk ** denotes that the standard compliance is optional, depending on the oxygen index of the PVC compound and the cable design.

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

Conductor: Plain annealed copper wire, stranded according to IEC(EN) 60228 class 2 and 5 .

Insulation: Extruded cross-linked XLPE compound.

Overall Screen: Aluminium/polyester tape with 0.5mm² screen (7/0.3mm) tinned copper drain wire.

Inner Sheath(optional): PVC compound

Armouring(optional): Galvanised steel wire

Outer Sheath: Thermoplastic PVC compound. UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option. Compliance to fire performance standard (IEC 60332-1, IEC 60332-3, UL 1581, UL 1666 etc) depends on the oxygen index of the PVC compound and the overall cable design. LSPVC can also be provided upon request.

COLOUR CODE

Insulation Colour: See technical information

Outer sheath: Black or blue

PHYSICAL AND THERMAL PROPERTIES

Temperature range during operation: Max.90°C for XLPE
250°C in short-circuit for 5secs max.

Minimum bending radius: 8 x Overall Diameter (unarmoured cable)
10 x Overall Diameter (armoured cable)

CONSTRUCTION PARAMETERS

Conductor		Nominal Insulation Thickness	RE-2X(St)Y		RE-2X(St)YSWAY			
No. of Core X Cross Section	No./ Nominal Diameter of Strands		Unarmoured		Armoured			
			Nominal Overall Diameter	Approx. Weight	Diameter Under Armour	Armour Wire Diameter	Nominal Overall Diameter	Approx. Weight
mm ²	No./mm	mm	mm	kg/km	mm	mm	mm	kg/km
2x0.5	16/0.20	0.6	7.0	50	7.0	0.90	11.4	237
3x0.5	16/0.20	0.6	7.3	59	7.3	0.90	11.7	254
4x0.5	16/0.20	0.6	7.9	69	7.9	0.90	12.3	278
6x0.5	16/0.20	0.6	9.3	94	9.3	0.90	13.9	345
10x0.5	16/0.20	0.6	11.9	147	11.9	0.90	16.7	470
20x0.5	16/0.20	0.6	14.9	253	14.9	1.25	20.6	759
40x0.5	16/0.20	0.6	20.1	444	20.1	1.60	26.7	1229
2x0.75	24/0.20	0.6	7.3	57	7.3	0.90	11.7	251
3x0.75	24/0.20	0.6	7.7	68	7.7	0.90	12.1	272
4x0.75	24/0.20	0.6	8.3	81	8.3	0.90	12.9	310
6x0.75	24/0.20	0.6	9.9	114	9.9	0.90	14.5	379
10x0.75	24/0.20	0.6	12.7	179	12.7	0.90	17.5	522
20x0.75	24/0.20	0.6	16.0	311	16.0	1.25	21.7	858



Caledonian

Flame Retardant Instrumentation Cables

www.caledonian-cables.co.uk www.addison-cables.com



40x0.75	24/0.20	0.6	21.7	555	21.7	1.60	28.5	1420
2x1.5	7/0.53	0.6	8.3	78	8.3	0.90	12.9	300
3x1.5	7/0.53	0.6	8.9	103	8.9	0.90	13.5	345
4x1.5	7/0.53	0.6	9.7	125	9.7	0.90	14.3	377
6x1.5	7/0.53	0.6	11.7	163	11.7	0.90	16.3	490
10x1.5	7/0.53	0.6	14.7	285	14.7	1.25	20.4	773
20x1.5	7/0.53	0.6	18.7	504	18.7	1.60	25.3	1262
40x1.5	7/0.53	0.6	24.6	935	24.6	1.60	31.6	1968

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



Rated Voltage



Standard



Flame Retardancy**
NF C32-070-2.1(C2)
IEC60332-1-2/EN50265-2-1



Reduced Fire Propagation**
NF C32-070-2.2(C1)
IEC60332-3-24/EN50266-2-4