RE-2X(St)Y-fl 90° C

CU/XLPE/OSCR/PVC

Instrumentation Cables PVC DK PE 500 V

XLPE insulated, individual & collective screened, PVC sheathed cable

HALLEY CABLES

www.halleycables.com

Construction:

Conductor	: plain copper wire, stranded.
Insulation	: XLPE compound (RE-2X...).
Core identification	: black / blue / red cores numbered 1-1, 2-2,... Upon request: colour coded according to IEC 60189-2.
Triple	: three conductors twisted to a triple.
Lay-up	: triples laid up in layers of optimum pitch.
Separator	: polyester tape.
Screen	: AL-PES tape over stranded tinned copper drain wire 0,50 mm².
Outer sheath	: PVC compound, 90° C.
Sheath colour	: RAL 9005, black or RAL 5015, blue.

Technical data and tests:

Rated voltage	: 500 V.
Test voltage	: Urms core-core : 2000 V; Urms core-screen : 2000 V.
Temperature range	: operation : - 30° C ~ + 90° C; installation : - 5° C ~ + 50° C.
Min. bending radius	: 7.5 x D.
Insulation resistance	: min. 5000 MΩ/km.

Technical data and tests:

Conductor resistance	: 0,50 mm² : 36,7 Ω/km; 0,75 mm² : 25,0 Ω/km; 1,0 mm² : 18,5 Ω/km; 1,3 mm² : 14,2 Ω/km; 1,5 mm² : 12,3 Ω/km.
L/R (ratio) (max)	: 0,50 mm² : 25 µH/Ω; 0,75 mm² : 25 µH/Ω; 1,0 mm² : 25 µH/Ω; 1,3 mm² : 40 µH/Ω; 1,5 mm² : 40 µH/Ω.
Capacitance unbalanced	: max. 500 pF/500 m (1 kHz).

Standards:

Design	: DIN EN 50288-7.
Conductor	: IEC 60228 class 2, DIN EN 60228 class 2.
Insulation	: EN 50290-2-29.
Outer sheath	: EN 50290-2-22.
Flame retardancy	: IEC 60332-1 & EN 60332-1.

Applications:

These cables are used for transmission of analogue and digital signals in instrument and control systems at chemistry and petrochemistry industry plants, power plants, natural gas and petroleum plants, etc... . Instrumentation cables are not allowed for direct connection to a low impedance source, e.g. public mains electricity supply. With blue sheath it is suitable for intrinsically safe systems. These cables are not recommended for direct burial. They are for indoor and outdoor installation, in dry and wet locations; on racks, trays, in conduits.

RE-2X(St)Y-fl 90° C ~ CU/XLPE/OSCR/PVC

HALLEY CABLES and HALLEY CABLES logo are registered trademarks of HALLEY CABLES SRL.

RE-2X(St)Y-fl 90° C

CU/XLPE/OSCR/PVC

Instrumentation Cables PVC DK PE 500 V

XLPE insulated, individual & collective screened, PVC sheathed cable

HALLEY CABLES

www.halleycables.com

RE-2X(St)Y-fl 90° C ~ CU/XLPE/OSCR/PVC

DIMENSIONS

No. of cores x cross section no x mm²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
1x3x0,50	6,5	19	50
2x3x0,50	10,2	34	90
4x3x0,50	11,9	62	145
5x3x0,50	12,7	77	170
6x3x0,50	13,9	91	205
8x3x0,50	15,6	120	260
10x3x0,50	17,3	149	315
12x3x0,50	18,7	178	370
16x3x0,50	21,3	235	480
20x3x0,50	23,6	293	590
24x3x0,50	25,7	350	705
1x3x0,75	6,9	26	60
2x3x0,75	11,1	48	115
4x3x0,75	12,8	91	180
5x3x0,75	13,9	113	225
6x3x0,75	15,0	134	260
8x3x0,75	17,1	177	340
10x3x0,75	18,7	221	410
12x3x0,75	20,4	264	485
16x3x0,75	23,3	350	630
20x3x0,75	25,8	437	780
24x3x0,75	28,2	523	930
1x3x1	7,3	34	70
2x3x1	11,9	62	135
4x3x1	13,9	120	225
5x3x1	14,9	149	270
6x3x1	16,3	178	325
8x3x1	18,3	235	410
10x3x1	20,4	293	510
12x3x1	22,2	350	605
16x3x1	25,3	466	790
20x3x1	28,1	581	975
24x3x1	30,6	696	1160
1x3x1,3	8,0	42	85
2x3x1,3	12,9	80	160
4x3x1,3	15,1	155	275
5x3x1,3	16,4	192	335

IEC CE VDE RoHS

HALLEY CABLES and HALLEY CABLES logo are registered trademarks of HALLEY CABLES SRL.

RE-2X(St)Y-fl 90° C

CU/XLPE/OSCR/PVC

Instrumentation Cables PVC DK PE 500 V

XLPE insulated, individual & collective screened, PVC sheathed cable

HALLEY CABLES

www.halleycables.com

DIMENSIONS

No. of cores x cross section no x mm²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
6x3x1,3	17,7	230	395
8x3x1,3	20,1	304	515
10x3x1,3	22,3	379	635
12x3x1,3	24,3	454	755
16x3x1,3	27,8	604	985
20x3x1,3	30,8	754	1215
24x3x1,3	33,5	903	1445
1x3x1,5	8,4	48	95
2x3x1,5	13,7	91	185
4x3x1,5	15,8	177	305
5x3x1,5	17,1	220	375
6x3x1,5	18,5	264	440
8x3x1,5	21,1	350	575
10x3x1,5	23,4	436	710
12x3x1,5	25,5	523	845
16x3x1,5	29,1	696	1105
20x3x1,5	32,5	868	1380
24x3x1,5	35,4	1041	1640

RE-2X(St)Y-fl 90° C ~ CU/XLPE/OSCR/PVC

IEC CE VDE RoHS PG TSE

HALLEY CABLES and HALLEY CABLES logo are registered trademarks of HALLEY CABLES SRL.