

RE-2X(St)Y-fl (MULTICORE)

CU/XLPE/OSCR/PVC



VERY GOOD EMC* CHARACTERISTICS / SMALL BENDING RADIUS
FLAME RETARDANT AND HYDROCARBON RESISTANT



CONSTRUCTION

- 1 - Conductor** IEC 60228 / DIN VDE 0295 / EN 60228
- 2 - Insulation** EN 50290-2-29 XLPE COMPOUND
- 3 - Colour Code** WHITE INSULATED CORES WITH BLACK NUMBER IMPRINTED IN LAYERS OF OPTIMUM PITCH
- 4 - Stranding** PES TAPE
- 5 - Wrapping** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 6 - Overall Screen** EN 50290-2-22 PVC COMPOUND
- 7 - Sheath** RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032* GREY
- 8 - Sheath Colour**

APPLICATION

1. Instrumentation and control engineering analog and digital signal transmission
2. Petroleum refineries
3. Petrochemistry industry
4. Power plants
5. Natural gas pump stations
6. Indoors and outdoors, dry, damp and wet environments
7. Gas Stations
8. Water Conveyance Systems

NOTES

- EMC*:** Electromagnetic compatibility
- 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 CHARACTERISTICS

CONDUCTOR CLASS2(MAX)	INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)	TEMPERATURE RANGE	FLAME PROPAGATION
mm ² Ω/km	MΩxKm	mm ² pF/m		
0,50 36		0,50 115		IEC 60332-3-24
0,75 24,5		0,75 115	- 30°C-+90°C	VDE0482-332-3-24
1,0 18,1	5000	1,0 115	(FIXED LAYING)	EN 60332-3-24
1,5 12,1		1,5 115		BS EN 60332-3-24
2,5 7,41		2,5 115		

L/R(RATIO) (MAX)	CURRENT LOAD(25°C)	OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm ² μH/Ω	mm ² A			
0,50 25	0,50 6,0		Cr./Cr.=2000 V	
0,75 25	0,75 13	300/500 V.	Cr./Scrm.=2000 V	7,5 X Cable Ø
1,0 25	1,0 16			
1,5 40	1,5 20			
2,5 60	2,5 25			

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St)Y-fi (MULTICORE)**CU/XLPE/OSCR/PVC**

CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
377850020	2 x 0,50	5,60	14	44	500/1000
377850030	3 x 0,50	5,80	18	49	500/1000
377850040	4 x 0,50	6,30	23	57	500/1000
377850050	5 x 0,50	6,90	28	67	500/1000
377850060	6 x 0,50	7,40	32	76	500/1000
377850070	7 x 0,50	7,40	37	82	500/1000
377850100	10 x 0,50	9,40	51	112	500/1000
377850120	12 x 0,50	9,60	60	132	500/1000
377850190	19 x 0,50	11,50	115	197	500/1000
377850240	24 x 0,50	13,20	144	243	500/1000
377875020	2 x 0,75	6,00	19	49	500/1000
377875030	3 x 0,75	6,20	26	58	500/1000
377875040	4 x 0,75	6,60	33	71	500/1000
377875050	5 x 0,75	7,30	40	85	500/1000
377875060	6 x 0,75	7,90	47	100	500/1000
377875070	7 x 0,75	7,90	54	107	500/1000
377875100	10 x 0,75	10,10	75	150	500/1000
377875120	12 x 0,75	10,40	89	170	500/1000
377875190	19 x 0,75	12,30	138	255	500/1000
377875240	24 x 0,75	14,40	173	320	500/1000
377801020	2 x 1	6,40	23	57	500/1000
377801030	3 x 1	6,70	32	69	500/1000
377801040	4 x 1	7,20	41	87	500/1000
377801050	5 x 1	7,40	50	96	500/1000
377801060	6 x 1	8,70	60	119	500/1000
377801070	7 x 1	8,70	69	128	500/1000
377801100	10 x 1	11,10	97	192	500/1000
377801120	12 x 1	11,50	115	216	500/1000
377801190	19 x 1	13,40	180	315	500/1000
377801240	24 x 1	15,70	225	398	500/1000
377815020	2 x 1,5	7,00	33	69	500/1000
377815030	3 x 1,5	7,40	47	89	500/1000
377815040	4 x 1,5	8,00	61	109	500/1000
377815050	5 x 1,5	9,00	76	134	500/1000
377815060	6 x 1,5	9,70	90	160	500/1000
377815070	7 x 1,5	9,70	104	174	500/1000
377815100	10 x 1,5	12,40	147	245	500/1000
377815120	12 x 1,5	12,80	175	285	500/1000
377815190	19 x 1,5	15,10	274	435	500/1000
377815240	24 x 1,5	17,80	345	544	500/1000
377825020	2 x 2,5	8,50	49	98	500/1000
377825030	3 x 2,5	8,80	71	127	500/1000
377825040	4 x 2,5	9,60	93	159	500/1000
377825050	5 x 2,5	10,60	115	195	500/1000
377825060	6 x 2,5	11,70	137	236	500/1000
377825070	7 x 2,5	11,70	159	260	500/1000
377825100	10 x 2,5	15,00	225	364	500/1000
377825120	12 x 2,5	15,40	267	428	500/1000
377825190	19 x 2,5	18,30	423	650	500/1000
377825240	24 x 2,5	21,50	533	810	500/1000