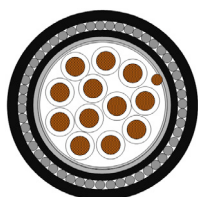


# RE-2X(St)YSWAY-fl (MULTICORE)

CU/XLPE/OSCR/PVC/SWA/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 - Inner Sheath** GALVANIZED ROUND STEEL WIRES
- 8 - Armour** EN 50290-2-22 PVC COMPOUND
- 9 - Sheath** RAL 5015\* BLUE; RAL 9005\* BLACK
- 10 - 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

**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

## TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)	INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)	TEMPERATURE RANGE	FLAME PROPAGATION
mm <sup>2</sup> Ω/km	MΩxKm	mm <sup>2</sup> 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 <sup>2</sup> μH/Ω	mm <sup>2</sup> 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	10 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)YSWAY-fi (MULTICORE)**

CU/XLPE/OSCR/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378450020	2 x 0,50	14	5,80	10,40	203	500/1000
378450030	3 x 0,50	18	6,00	10,60	215	500/1000
378450040	4 x 0,50	23	6,50	11,10	230	500/1000
378450050	5 x 0,50	28	7,10	11,90	260	500/1000
378450060	6 x 0,50	32	7,60	12,40	285	500/1000
378450070	7 x 0,50	37	7,60	12,40	345	500/1000
378450100	10 x 0,50	51	9,40	14,20	360	500/1000
378450120	12 x 0,50	92	9,60	14,40	385	500/1000
378450190	19 x 0,50	95	11,20	16,20	485	500/1000
378450240	24 x 0,50	125	13,00	18,00	599	500/1000
378475020	2 x 0,75	19	6,20	10,80	215	500/1000
378475030	3 x 0,75	26	6,40	11,00	230	500/1000
378475040	4 x 0,75	33	6,80	11,40	248	500/1000
378475050	5 x 0,75	40	7,50	12,30	290	500/1000
378475060	6 x 0,75	47	8,10	12,90	338	500/1000
378475070	7 x 0,75	54	8,10	12,90	344	500/1000
378475100	10 x 0,75	75	10,10	14,90	433	500/1000
378475120	12 x 0,75	89	10,40	15,20	465	500/1000
378475190	19 x 0,75	138	12,10	17,10	560	500/1000
378475240	24 x 0,75	173	14,00	19,00	665	500/1000
378401020	2 x 1	23	6,60	11,40	235	500/1000
378401030	3 x 1	32	6,90	11,50	253	500/1000
378401040	4 x 1	41	7,40	12,20	280	500/1000
378401050	5 x 1	50	7,60	12,40	300	500/1000
378401060	6 x 1	60	8,70	13,50	378	500/1000
378401070	7 x 1	69	8,70	13,50	381	500/1000
378401080	10 x 1	97	10,90	15,90	495	500/1000
378401100	12 x 1	115	11,30	16,30	500	500/1000
378401190	19 x 1	180	13,20	18,20	640	500/1000
378401240	24 x 1	225	15,30	21,20	915	500/1000
378415020	2 x 1,5	33	7,20	12,00	268	500/1000
378415030	3 x 1,5	47	7,60	12,40	318	500/1000
378415040	4 x 1,5	61	8,20	13,00	348	500/1000
378415050	5 x 1,5	76	9,00	13,80	393	500/1000
378415060	6 x 1,5	90	9,70	14,50	440	500/1000
378415070	7 x 1,5	104	9,70	14,50	450	500/1000
378415100	10 x 1,5	147	12,20	17,20	586	500/1000
378415120	12 x 1,5	175	12,60	17,60	600	500/1000
378415190	19 x 1,5	274	14,70	19,90	795	500/1000
378415240	24 x 1,5	345	17,20	23,30	1125	500/1000
378425020	2 x 2,5	49	8,50	13,30	320	500/1000
378425030	3 x 2,5	71	8,80	13,60	378	500/1000
378425040	4 x 2,5	93	9,60	14,40	431	500/1000
378425050	5 x 2,5	115	10,60	15,60	500	500/1000
378425060	6 x 2,5	137	11,50	16,50	560	500/1000
378425070	7 x 2,5	159	11,50	16,50	568	500/1000
378425100	10 x 2,5	225	14,60	19,80	766	500/1000
378425120	12 x 2,5	267	15,00	20,20	820	500/1000
378425190	19 x 2,5	423	17,70	23,80	1280	500/1000
378425240	24 x 2,5	533	20,70	27,00	1485	500/1000