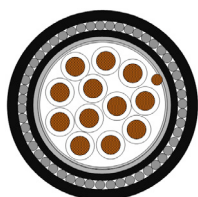


RE-2Y(St)YSWAY-fi (MULTICORE)

CU/PE/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 50290-2-23 PE 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. In chemistry industry
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
- FI***: 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 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-+70°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	10X 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-2Y(St)YSWAY-fl (MULTICORE)

CU/PE/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
374850020	2 x 0,50	14	5,80	10,40	203	500/1000
374850030	3 x 0,50	18	6,00	10,60	221	500/1000
374850040	4 x 0,50	23	6,50	11,10	239	500/1000
374850050	5 x 0,50	28	7,10	11,90	270	500/1000
374850060	6 x 0,50	32	7,60	12,40	304	500/1000
374850070	7 x 0,50	37	7,60	12,40	308	500/1000
374850100	10 x 0,50	51	9,40	14,20	368	500/1000
374850120	12 x 0,50	60	9,60	14,40	395	500/1000
374850190	19 x 0,50	115	11,20	16,20	485	500/1000
374850240	24 x 0,50	145	13,00	18,00	587	500/1000
374875020	2 x 0,75	19	6,20	10,80	222	500/1000
374875030	3 x 0,75	26	6,40	11,00	238	500/1000
374875040	4 x 0,75	33	6,80	11,40	257	500/1000
374875050	5 x 0,75	40	7,50	12,30	299	500/1000
374875060	6 x 0,75	47	8,10	12,90	328	500/1000
374875070	7 x 0,75	54	8,10	12,90	334	500/1000
374875100	10 x 0,75	75	10,10	14,90	423	500/1000
374875120	12 x 0,75	89	10,40	15,20	449	500/1000
374875190	19 x 0,75	138	12,10	17,10	560	500/1000
374875240	24 x 0,75	173	14,00	19,00	676	500/1000
374801020	2 x 1	23	6,60	11,40	244	500/1000
374801030	3 x 1	32	6,90	11,50	264	500/1000
374801040	4 x 1	41	7,40	12,20	293	500/1000
374801050	5 x 1	50	7,60	12,40	314	500/1000
374801060	6 x 1	60	8,70	13,50	363	500/1000
374801070	7 x 1	69	8,70	13,50	371	500/1000
374801100	10 x 1	97	10,90	15,90	483	500/1000
374801120	12 x 1	115	11,30	16,30	518	500/1000
374801190	19 x 1	180	13,20	18,20	640	500/1000
374801240	24 x 1	225	15,30	21,20	905	500/1000
374815020	2 x 1,5	33	7,20	12,00	276	500/1000
374815030	3 x 1,5	47	7,60	12,40	303	500/1000
374815040	4 x 1,5	61	8,20	13,00	338	500/1000
374815050	5 x 1,5	76	9,00	13,80	383	500/1000
374815060	6 x 1,5	90	9,70	14,50	427	500/1000
374815070	7 x 1,5	104	9,70	14,50	439	500/1000
374815100	10 x 1,5	147	12,20	17,20	572	500/1000
374815120	12 x 1,5	175	12,60	17,60	600	500/1000
374815190	19 x 1,5	274	14,70	19,90	795	500/1000
374815240	24 x 1,5	345	17,20	23,30	1110	500/1000
374825020	2 x 2,5	49	8,50	13,30	332	500/1000
374825030	3 x 2,5	71	8,80	13,60	378	500/1000
374825040	4 x 2,5	93	9,60	14,40	421	500/1000
374825050	5 x 2,5	115	10,60	15,60	491	500/1000
374825060	6 x 2,5	137	11,50	16,50	550	500/1000
374825070	7 x 2,5	159	11,50	16,50	568	500/1000
374825100	10 x 2,5	225	14,60	19,80	756	500/1000
374825120	12 x 2,5	267	15,00	20,20	820	500/1000
374825190	19 x 2,5	423	17,70	23,80	1280	500/1000
374825240	24 x 2,5	533	20,70	27,00	1493	500/1000