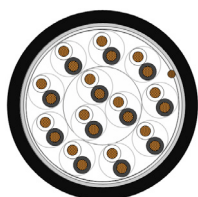


RE-2Y(St)Y-fi (MULTIPAIR)

CU/PE/OSCR/PVC



VERY GOOD EMC* CHARACTERISTICS / FLEXIBLE /
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** BS 5308-1 OR BLACK-WHITE;
EACH PAIR NUMBERED
- 4 - Stranding** PAIRWISE, PAIRS IN LAYERS
- 5 - Wrapping** PES TAPE
- 6 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 7 - Sheath** EN 50290-2-22 PVC COMPOUND
- 8 - Sheath Colour** RAL 5015* BLUE / RAL 9005* BLACK
OR RAL 7032 GREY*

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
- FI***: 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 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 65		IEC 60332-3-24
0,75 24,5		0,75 65	- 30°C-+70°C	VDE0482-332-3-24
1,0 18,1	5000	1,0 65	(FIXED LAYING)	EN 60332-3-24
1,3 13,9		1,3 75		BS EN 60332-3-24
1,5 12,1		1,5 75		

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	7,5X Cable Ø
1,0 25	1,0 16			
1,3 40	1,3 18			
1,5 40	1,5 20			

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)Y-fi (MULTIPAIR)

CU/PE/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)
374550010	1 x 2 x 0,50	5,60	14	44	500/1000
374550020	2 x 2 x 0,50	7,90	23	68	500/1000
374550040	4 x 2 x 0,50	9,40	42	98	500/1000
374550060	6 x 2 x 0,50	11,20	60	140	500/1000
374550080	8 x 2 x 0,50	12,40	78	175	500/1000
374550100	10 x 2 x 0,50	14,00	97	214	500/1000
374550120	12 x 2 x 0,50	14,30	115	242	500/1000
374550160	16 x 2 x 0,50	16,40	152	319	500/1000
374550200	20 x 2 x 0,50	18,30	189	380	500/1000
374550240	24 x 2 x 0,50	19,90	225	451	500/1000
374575010	1 x 2 x 0,75	6,00	19	49	500/1000
374575020	2 x 2 x 0,75	9,00	33	86	500/1000
374575040	4 x 2 x 0,75	10,20	60	123	500/1000
374575060	6 x 2 x 0,75	12,20	88	189	500/1000
374575080	8 x 2 x 0,75	13,60	117	225	500/1000
374575100	10 x 2 x 0,75	15,30	144	272	500/1000
374575120	12 x 2 x 0,75	15,60	173	310	500/1000
374575160	16 x 2 x 0,75	18,00	229	410	500/1000
374575200	20 x 2 x 0,75	20,20	285	500	500/1000
374575240	24 x 2 x 0,75	22,00	340	600	500/1000
374501010	1 x 2 x 1	6,40	23	57	500/1000
374501020	2 x 2 x 1	9,20	41	98	500/1000
374501040	4 x 2 x 1	11,00	77	155	500/1000
374501060	6 x 2 x 1	13,30	113	231	500/1000
374501080	8 x 2 x 1	14,70	155	275	500/1000
374501100	10 x 2 x 1	16,80	195	345	500/1000
374501120	12 x 2 x 1	17,10	229	394	500/1000
374501160	16 x 2 x 1	19,90	304	530	500/1000
374501200	20 x 2 x 1	22,10	375	635	500/1000
374501240	24 x 2 x 1	23,90	455	740	500/1000
374513010	1 x 2 x 1,3	6,80	29	62	500/1000
374513020	2 x 2 x 1,3	10,00	53	119	500/1000
374513040	4 x 2 x 1,3	11,80	101	184	500/1000
374513060	6 x 2 x 1,3	14,40	149	283	500/1000
374513080	8 x 2 x 1,3	15,80	197	335	500/1000
374513100	10 x 2 x 1,3	18,00	245	410	500/1000
374513120	12 x 2 x 1,3	18,40	293	476	500/1000
374513160	16 x 2 x 1,3	21,10	389	630	500/1000
374513200	20 x 2 x 1,3	23,90	485	775	500/1000
374513240	24 x 2 x 1,3	26,00	581	920	500/1000
374515010	1 x 2 x 1,5	7,00	33	67	500/1000
374515020	2 x 2 x 1,5	10,20	61	130	500/1000
374515040	4 x 2 x 1,5	12,20	117	210	500/1000
374515060	6 x 2 x 1,5	15,30	173	314	500/1000
374515080	8 x 2 x 1,5	16,80	229	380	500/1000
374515100	10 x 2 x 1,5	19,20	285	470	500/1000
374515120	12 x 2 x 1,5	20,00	341	545	500/1000
374515160	16 x 2 x 1,5	22,20	453	710	500/1000
374515200	20 x 2 x 1,5	25,80	565	880	500/1000
374515240	24 x 2 x 1,5	29,10	677	1080	500/1000