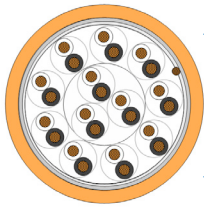


RE-2X(St) H..CI (MULTIPAIR)

CU/MGT+XLPE/OSCR/LSZH..CI



VERY GOOD EMC* CHARACTERISTICS / FIRE RESISTANT CHARACTERISTICS /
FLAME RETARDANT AND HYDROCARBON RESISTANT / SMALL BENDING RADIUS /
LOW SMOKE EMISSION / WITHOUT POISONED AND CORROSIVE GASSES



CONSTRUCTION

- 1 - Conductor** IEC 60228 ;DIN VDE 0295;EN 60228
- 2 - Insulation** MICA TAPE+EN 50290-2-29 XLPE COMPOUND
- 3 - Colour Code** BS 5308-1 OR BLACK-WHITE
EACH PAIR NUMBERED
PAIRWISE, PAIRS IN LAYERS
- 4 - Stranding** PAIRWISE, PAIRS IN LAYERS
- 5 - Wrapping** PES TAPE
- 6 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 7 - Sheath** EN 50290-2-27 LSZH COMPOUND
- 8 - Sheath Colour** RAL 5015* BLUE; RAL 9005* BLACK
OR RAL 2003* ORANGE; RAL 3000* RED

APPLICATION

-Indoor environments intensely populated by people where there is electromagnetic interference.

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. Dry-moist and wet places, at indoor
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility

CI*: Fire Resistant

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 2003 orange 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-+90°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	7,5 X Cable Ø
1,0 25	1,0 16			
1,3 40	1,3 18			
1,5 40	1,5 20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St) H..CI (MULTIPAIR)**CU/MGT+XLPE/OSCR/LSZH..CI**

CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381150010	1 x 2 x 0,50	5,60	14	45	500/1000
381150020	2 x 2 x 0,50	8,20	23	60	500/1000
381150040	4 x 2 x 0,50	9,40	42	100	500/1000
381150060	6 x 2 x 0,50	11,00	60	140	500/1000
381150080	8 x 2 x 0,50	11,80	78	165	500/1000
381150100	10 x 2 x 0,50	13,80	97	210	500/1000
381150120	12 x 2 x 0,50	14,20	115	235	500/1000
381150160	16 x 2 x 0,50	16,00	152	300	500/1000
381150200	20 x 2 x 0,50	18,00	189	370	500/1000
381150240	24 x 2 x 0,50	19,50	225	430	500/1000
381175010	1 x 2 x 0,75	6,00	19	50	500/1000
381175020	2 x 2 x 0,75	9,00	33	80	500/1000
381175040	4 x 2 x 0,75	10,20	60	120	500/1000
381175060	6 x 2 x 0,75	12,20	88	170	500/1000
381175080	8 x 2 x 0,75	13,40	117	220	500/1000
381175100	10 x 2 x 0,75	15,00	144	260	500/1000
381175120	12 x 2 x 0,75	15,80	173	305	500/1000
381175160	16 x 2 x 0,75	18,00	229	400	500/1000
381175200	20 x 2 x 0,75	20,00	285	480	500/1000
381175240	24 x 2 x 0,75	21,50	340	570	500/1000
381101010	1 x 2 x 1	6,40	23	58	500/1000
381101020	2 x 2 x 1	6,60	41	100	500/1000
381101040	4 x 2 x 1	11,00	77	140	500/1000
381101060	6 x 2 x 1	13,50	113	220	500/1000
381101080	8 x 2 x 1	14,40	149	260	500/1000
381101100	10 x 2 x 1	16,20	185	320	500/1000
381101120	12 x 2 x 1	16,80	221	370	500/1000
381101160	16 x 2 x 1	19,50	293	500	500/1000
381101200	20 x 2 x 1	21,50	365	602	500/1000
381101240	24 x 2 x 1	23,50	437	730	500/1000
381113010	1 x 2 x 1,3	6,80	29	90	500/1000
381113020	2 x 2 x 1,3	10,00	53	115	500/1000
381113040	4 x 2 x 1,3	11,60	101	170	500/1000
381113060	6 x 2 x 1,3	14,30	149	260	500/1000
381113080	8 x 2 x 1,3	15,20	197	320	500/1000
381113100	10 x 2 x 1,3	17,20	245	410	500/1000
381113120	12 x 2 x 1,3	18,40	293	480	500/1000
381113160	16 x 2 x 1,3	20,80	389	600	500/1000
381113200	20 x 2 x 1,3	23,30	485	780	500/1000
381113240	24 x 2 x 1,3	25,40	581	890	500/1000
381115010	1 x 2 x 1,5	7,00	33	100	500/1000
381115020	2 x 2 x 1,5	11,20	61	135	500/1000
381115040	4 x 2 x 1,5	13,30	117	220	500/1000
381115060	6 x 2 x 1,5	16,00	173	310	500/1000
381115080	8 x 2 x 1,5	17,00	229	380	500/1000
381115100	10 x 2 x 1,5	20,00	285	480	500/1000
381115120	12 x 2 x 1,5	21,00	341	560	500/1000
381115160	16 x 2 x 1,5	24,00	453	740	500/1000
381115200	20 x 2 x 1,5	26,50	565	890	500/1000
381115240	24 x 2 x 1,5	29,00	677	1080	500/1000