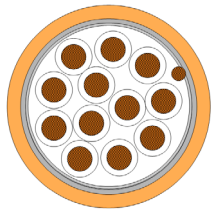


RE-2X(St)H..CI (MULTICORE)

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** WHITE INSULATED CORES
WITH BLACK NUMBER IMPRINTED
IN LAYERS OF OPTIMUM PITCH
- 4 - Stranding** PES TAPE
- 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. Indoors and outdoors, dry, damp and wet environments
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		0,50 100		IEC 60332-3-24
0,75 24,5		0,75 100	- 30°C-+90°C	VDE0482-332-3-24
1,0 18,1	5000	1,0 100	(FIXED LAYING)	EN 60332-3-24
1,5 12,1		1,5 100		BS EN 60332-3-24
2,5 7,41		2,5 100		

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			

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 (MULTICORE)**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)
381050020	2 x 0,50	5,60	14	45	500/1000
381050030	3 x 0,50	5,80	18	50	500/1000
381050040	4 x 0,50	6,30	23	58	500/1000
381050050	5 x 0,50	6,90	28	68	500/1000
381050060	6 x 0,50	7,40	32	78	500/1000
381050070	7 x 0,50	7,40	37	84	500/1000
381050100	10 x 0,50	9,40	51	115	500/1000
381050120	12 x 0,50	9,60	75	135	500/1000
381050190	19 x 0,50	11,50	115	201	500/1000
381050240	24 x 0,50	13,20	144	248	500/1000
381075020	2 x 0,75	6,00	19	50	500/1000
381075030	3 x 0,75	6,20	26	59	500/1000
381075040	4 x 0,75	6,60	33	72	500/1000
381075050	5 x 0,75	7,30	40	87	500/1000
381075060	6 x 0,75	7,90	47	102	500/1000
381075070	7 x 0,75	7,90	54	109	500/1000
381075100	10 x 0,75	10,10	75	152	500/1000
381075120	12 x 0,75	10,40	89	173	500/1000
381075190	19 x 0,75	12,30	138	260	500/1000
381075240	24 x 0,75	14,40	173	328	500/1000
381001020	2 x 1	6,40	23	58	500/1000
381001030	3 x 1	6,70	32	70	500/1000
381001040	4 x 1	7,20	41	88	500/1000
381001050	5 x 1	7,40	50	98	500/1000
381001060	6 x 1	8,70	60	121	500/1000
381001070	7 x 1	8,70	69	130	500/1000
381001100	10 x 1	11,10	97	192	500/1000
381001120	12 x 1	11,50	115	220	500/1000
381001190	19 x 1	13,40	180	322	500/1000
381001240	24 x 1	15,70	225	405	500/1000
381015020	2 x 1,5	7,00	33	70	500/1000
381015030	3 x 1,5	7,40	47	91	500/1000
381015040	4 x 1,5	8,00	61	111	500/1000
381015050	5 x 1,5	9,00	76	137	500/1000
381015060	6 x 1,5	9,70	90	165	500/1000
381015070	7 x 1,5	9,70	104	179	500/1000
381015100	10 x 1,5	12,40	147	253	500/1000
381015120	12 x 1,5	12,80	175	292	500/1000
381015190	19 x 1,5	15,10	274	445	500/1000
381015240	24 x 1,5	17,80	345	556	500/1000
381025020	2 x 2,5	8,50	49	100	500/1000
381025030	3 x 2,5	8,80	71	130	500/1000
381025040	4 x 2,5	9,60	93	163	500/1000
381025050	5 x 2,5	10,60	115	200	500/1000
381025060	6 x 2,5	11,70	137	243	500/1000
381025070	7 x 2,5	11,70	159	265	500/1000
381025100	10 x 2,5	15,00	225	374	500/1000
381025120	12 x 2,5	15,40	267	433	500/1000
381025190	19 x 2,5	18,30	423	665	500/1000
381025240	24 x 2,5	21,50	533	830	500/1000