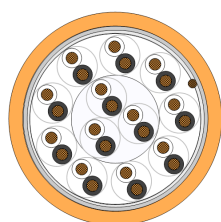


RE-2G(St)H..CI (MULTIPAIR)

CU/SI/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** EN 50363-1 EI2 SILICONE
- 3 - Colour Code** BS 5308-1 OR BLACK-WHITE
EACH PAIR NUMBERED
PAIRWISE, PAIRS IN LAYERS
- 4 - Stranding** PES TAPE
- 5 - Wrapping** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 6 - Overall Screen** EN 50290-2-27 LSZH COMPOUND
- 7 - Sheath** RAL 5015* BLUE; RAL 9005* BLACK;
RAL 2003* ORANGE OR
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	INSULATION	MUTUAL	TEMPERATURE	FLAME
RESISTANCE	RESISTANCE	CAPACITY	RANGE	PROPAGATION
CLASS2 (MAX)	(MIN)	(MAX)		
mm ² Ω/km	MΩxKm	mm ² pF/m		
0,50 36		0,50 110		IEC 60332-3-24
0,75 24,5		0,75 110	- 30°C-+90°C	VDE0482-332-3-24
1,0 18,1	300	1,0 110	(FIXED LAYING)	EN 60332-3-24
1,5 12,1		1,5 110		BS EN 60332-3-24
2,5 7,41		2,5 110		

L/R(RATIO)	CURRENT	OPERATING	TEST	BENDING
(MAX)	LOAD(25°C)	VOLTAGE	VOLTAGE	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	HALOGEN	FIRE RESISTANT
	OF COMBUSTION GASES	FREE TEST	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-2G(St)H..CI (MULTIPAIR)**CU/SI/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)
381950010	1 x 2 x 0,50	6,10	14	45	500/1000
381950020	2 x 2 x 0,50	8,70	23	92	500/1000
381950040	4 x 2 x 0,50	10,10	42	125	500/1000
381950060	6 x 2 x 0,50	12,40	60	217	500/1000
381950080	8 x 2 x 0,50	13,80	78	240	500/1000
381950100	10 x 2 x 0,50	15,50	97	296	500/1000
381950120	12 x 2 x 0,50	15,80	115	328	500/1000
381950160	16 x 2 x 0,50	18,10	152	423	500/1000
381950200	20 x 2 x 0,50	20,40	189	512	500/1000
381950240	24 x 2 x 0,50	22,20	225	598	500/1000
381975010	1 x 2 x 0,75	6,60	19	50	500/1000
381975020	2 x 2 x 0,75	9,40	33	120	500/1000
381975040	4 x 2 x 0,75	11,20	60	166	500/1000
381975060	6 x 2 x 0,75	13,40	88	262	500/1000
381975080	8 x 2 x 0,75	14,90	117	295	500/1000
381975100	10 x 2 x 0,75	17,00	144	378	500/1000
381975120	12 x 2 x 0,75	17,30	173	412	500/1000
381975160	16 x 2 x 0,75	20,10	229	546	500/1000
381975200	20 x 2 x 0,75	22,30	285	644	500/1000
381975240	24 x 2 x 0,75	24,10	340	761	500/1000
381901010	1 x 2 x 1	7,10	23	73	500/1000
381901020	2 x 2 x 1	10,10	41	140	500/1000
381901040	4 x 2 x 1	12,10	77	206	500/1000
381901060	6 x 2 x 1	14,60	113	315	500/1000
381901080	8 x 2 x 1	16,00	166	350	500/1000
381901100	10 x 2 x 1	18,20	196	426	500/1000
381901120	12 x 2 x 1	18,60	234	498	500/1000
381901160	16 x 2 x 1	21,30	309	650	500/1000
381901200	20 x 2 x 1	24,10	383	780	500/1000
381901240	24 x 2 x 1	26,20	456	923	500/1000
381913010	1 x 2 x 1,3	7,40	29	72	500/1000
381913020	2 x 2 x 1,3	10,70	53	163	500/1000
381913040	4 x 2 x 1,3	12,80	101	227	500/1000
381913060	6 x 2 x 1,3	15,60	149	359	500/1000
381913080	8 x 2 x 1,3	17,30	197	416	500/1000
381913100	10 x 2 x 1,3	19,70	245	514	500/1000
381913120	12 x 2 x 1,3	20,10	293	588	500/1000
381913160	16 x 2 x 1,3	23,10	389	789	500/1000
381913200	20 x 2 x 1,3	26,00	485	946	500/1000
381913240	24 x 2 x 1,3	28,30	581	1123	500/1000
381915010	1 x 2 x 1,5	7,50	33	87	500/1000
381915020	2 x 2 x 1,5	11,20	61	174	500/1000
381915040	4 x 2 x 1,5	13,30	117	259	500/1000
381915060	6 x 2 x 1,5	16,00	173	397	500/1000
381915080	8 x 2 x 1,5	17,70	229	452	500/1000
381915100	10 x 2 x 1,5	20,30	285	561	500/1000
381915120	12 x 2 x 1,5	20,70	341	646	500/1000
381915160	16 x 2 x 1,5	23,70	453	857	500/1000
381915200	20 x 2 x 1,5	26,80	565	1039	500/1000
381915240	24 x 2 x 1,5	29,00	677	1246	500/1000