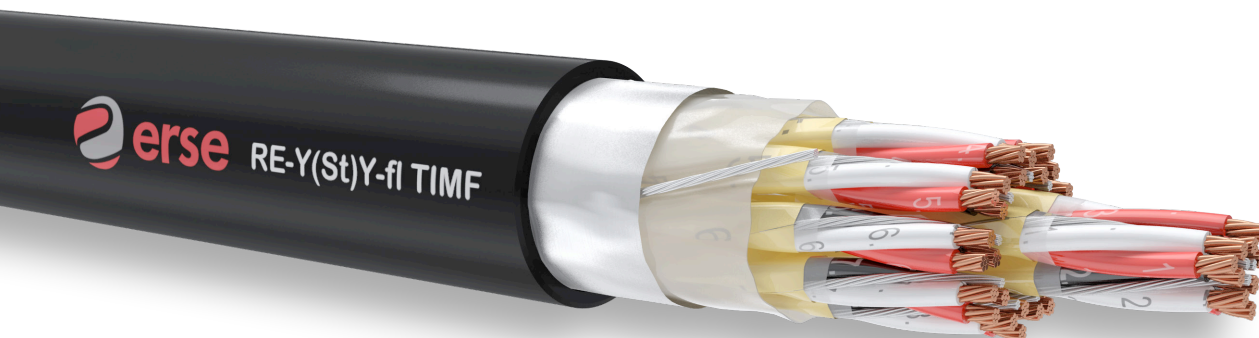


# RE-Y(St)Y-fl TIMF

CU/PVC/TSCR/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 50290-2-21 PVC COMPOUND
- 3 - Colour Code** BS 5308-2 OR BLACK- WHITE AND RED;  
EACH TRIAD NUMBERED
- 4 - Individual Screen** PES TAPE; TINNED COPPER DRAIN WIRE;  
AL-PES TAPE
- 5 - Stranding** SCREENED TRIPLES IN LAYERS
- 6 - Wrapping** PES TAPE
- 7 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 8 - Sheath** EN 50290-2-22 PVC COMPOUND
- 9 - Sheath Colour** RAL 5015\* BLUE; RAL 9005\* BLACK  
OR RAL 7032\* GREY

## APPLICATION

1. Instrumentation and control engineering analog and digital signal transmission
2. Chemistry industry
3. Petrochemistry industry
4. Power plants
5. Indoors and outdoors, dry, damp and wet environments
6. Gas Stations
7. Water Conveyance Systems

## NOTES

- EMC\***: Electromagnetic compatibility
- Fl\***: 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 <sup>2</sup>	Ω/km	MΩxKm	mm <sup>2</sup> pF/m		
0,50	36		0,50 160	- 30°C +70°C (FIXED LAYING)	IEC 60332-3-24
0,75	24,5		0,75 160		VDE 0482-332-3-24
1,0	18,1	100	1,0 160		EN 60332-3-24
1,3	13,9		1,3 170		BS EN 60332-3-24
1,5	12,1		1,5 170		

L/R(RATIO) (MAX)	CURRENT LOAD(25°C)	OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm <sup>2</sup>	μH/Ω	mm <sup>2</sup> A		
0,50	25	0,50 6,0	Cr./Cr.=2000 V Cr./Scr.=2000 V	7,5 X Cable Ø
0,75	25	0,75 13		
1,0	25	1,0 16		
1,3	40	1,3 18		
1,5	40	1,5 20		

## DESIGN STANDARDS

PAS 5308-2  
EN 50288-7

**RE-Y(St)Y-fi TIMF**

CU/PVC/TSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
372350020	2 x 3 x 0,50	10,10	42	125	500/1000
372350040	4 x 3 x 0,50	12,00	79	203	500/1000
372350060	6 x 3 x 0,50	14,50	116	288	500/1000
372350080	8 x 3 x 0,50	15,60	152	329	500/1000
372350100	10 x 3 x 0,50	18,60	189	414	500/1000
372350120	12 x 3 x 0,50	19,20	225	477	500/1000
372350160	16 x 3 x 0,50	21,50	299	625	500/1000
372350200	20 x 3 x 0,50	24,10	373	768	500/1000
372350240	24 x 3 x 0,50	27,50	447	932	500/1000
372375020	2 x 3 x 0,75	10,80	55	145	500/1000
372375040	4 x 3 x 0,75	12,80	106	238	500/1000
372375060	6 x 3 x 0,75	15,60	157	334	500/1000
372375080	8 x 3 x 0,75	17,10	207	411	500/1000
372375100	10 x 3 x 0,75	20,30	258	516	500/1000
372375120	12 x 3 x 0,75	21,00	308	597	500/1000
372375160	16 x 3 x 0,75	23,50	410	787	500/1000
372375200	20 x 3 x 0,75	26,30	511	960	500/1000
372375240	24 x 3 x 0,75	29,50	611	1150	500/1000
372301020	2 x 3 x 1	11,80	70	176	500/1000
372301040	4 x 3 x 1	13,80	135	269	500/1000
372301060	6 x 3 x 1	17,00	200	405	500/1000
372301080	8 x 3 x 1	18,30	266	495	500/1000
372301100	10 x 3 x 1	22,00	331	630	500/1000
372301120	12 x 3 x 1	22,80	396	730	500/1000
372301160	16 x 3 x 1	25,50	526	955	500/1000
372301200	20 x 3 x 1	28,50	658	1170	500/1000
372301240	24 x 3 x 1	32,00	788	1420	500/1000
372313020	2 x 3 x 1,3	12,70	86	205	500/1000
372313040	4 x 3 x 1,3	15,10	168	330	500/1000
372313060	6 x 3 x 1,3	18,30	249	500	500/1000
372313080	8 x 3 x 1,3	20,10	331	620	500/1000
372313100	10 x 3 x 1,3	24,00	414	770	500/1000
372313120	12 x 3 x 1,3	25,00	495	900	500/1000
372313160	16 x 3 x 1,3	28,00	658	1195	500/1000
372313200	20 x 3 x 1,3	31,20	823	1470	500/1000
372313240	24 x 3 x 1,3	35,00	986	1750	500/1000
372315020	2 x 3 x 1,5	13,10	98	224	500/1000
372315040	4 x 3 x 1,5	15,50	191	370	500/1000
372315060	6 x 3 x 1,5	19,00	284	550	500/1000
372315080	8 x 3 x 1,5	20,80	377	670	500/1000
372315100	10 x 3 x 1,5	24,80	471	835	500/1000
372315120	12 x 3 x 1,5	25,70	564	980	500/1000
372315160	16 x 3 x 1,5	28,80	750	1275	500/1000
372315200	20 x 3 x 1,5	32,20	937	1549	500/1000
372315240	24 x 3 x 1,5	36,40	1123	1891	500/1000