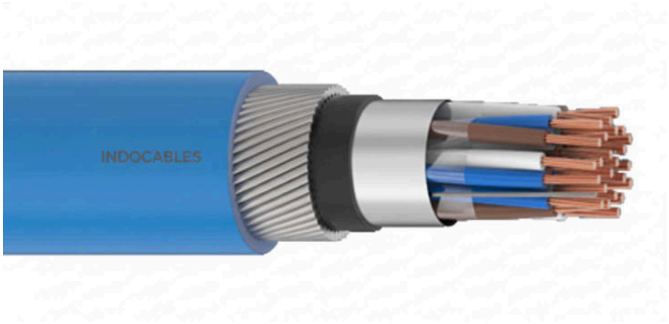
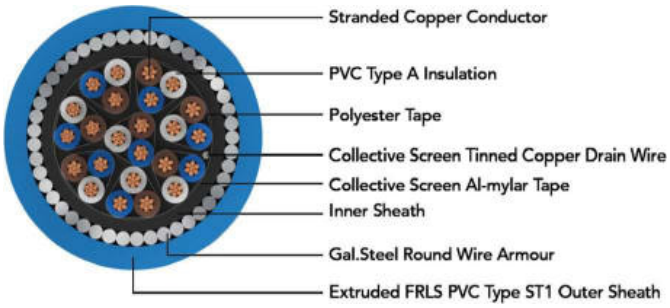
INSTRUMENTATION CABLE · INSTRU 500 T (ST) · 500 V

INDOCABLES INSTRU 500 T (ST)

INSTRUMENTATION CABLE, PVC/PE INSULATED, OVERALL SHIELDED — EN 50288-7

VOLTAGE RATING	STANDARD	CONDUCTOR	TRIADS	BENDING RADIUS
500 V	EN 50288-7	0.5 – 2.5 mm²	1 – 37	12 × OD





Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES INSTRU 500 SINGLE & MT, Stranded copper conductor, PVC/PE insulated, Overall, al-mylar shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. INDOCABLES INSTRU 500 SINGLE & MT cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

CONSTRUCTION

01 Stranded Copper conductor as per EN 60228

02 Insulated with PVC/PE as per EN 50288-7

03 Collective screen Al/PET (Aluminium/Polyester tape) with drain wire of tinned Cu/Tinned copper braiding

04 Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27

05 Armoured with Galvanized Steel Strip/Round as per EN 50288-7

06 Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

CHARACTERISTICS

Voltage Rating	500 V
Operation Temperature	Max.: PVC 70°C, HRPVC 85°C, XLPE 90°C, LDPE 60°C.
Bending Radius	12 x Overall diameter

CORE IDENTIFICATION

Core	White, Blue & Brown for Triad
Outer sheath colour	Blue/Black

ISO 9001
Cert. 99 100 22646 (TÜV SÜD)

ISI
BIS CM/L 6200267409 (IS 7098 Pt-1)

RoHS
Compliant

REACH
Compliant

Make in India
Manufactured in India

STANDARD FOLLOWS

EN 50288-7 | EN 50288-1 | EN 60228 | EN 50290-2-22/27

COMPLIANCE

Conductor resistance EN 60228	Insulation resistance EN 50288-7
L/R Ratio EN 50288-7	Mutual capacitance EN 50288-7

NOTES

- Outer sheath also available with PE & FRLS on request.
- As per the application/identification requirement, other colour also available on request.

ORDERING & ITEM CODE

PART-REGISTERED

The item master registers overall-screened (OSCR) triad codes with the 0300 voltage segment for 1/2/4/8 triads in 0.5–1.5 sq mm — shown in dark. All other triad counts, and the 2.5 sq mm size, are derived from the same structure and carry no item ID until the Item Master Steward registers them.

CODE STRUCTURE

IC · IN · TRIADS · SIZE · TC · PE · DESIGNATION · 0300 · EN50288P7 · OSCR

IN	TRIADS · SIZE	TC · PE	2YY · 2YWY	0300 · OSCR
Instrumentation line	Triad count + T, sq.mm × 100	Tinned copper, PE insulated	Unarmoured · round wire armoured	300/500 V, overall screened

SIZE	TRIADS	UNARMOURED · 2YY	ARMOURED · 2YWY
0.5	1	IC-IN-1T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-1T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	2	IC-IN-2T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-2T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	4	IC-IN-4T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-4T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	5	IC-IN-5T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-5T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	6	IC-IN-6T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-6T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	8	IC-IN-8T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-8T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	10	IC-IN-10T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-10T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	12	IC-IN-12T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-12T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	14	IC-IN-14T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-14T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	16	IC-IN-16T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-16T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	19	IC-IN-19T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-19T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	20	IC-IN-20T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-20T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	24	IC-IN-24T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-24T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	30	IC-IN-30T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-30T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
	37	IC-IN-37T-00050-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-37T-00050-TC-PE-2YWY-0300-EN50288P7-OSCR
0.75	1	IC-IN-1T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-1T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	2	IC-IN-2T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-2T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	4	IC-IN-4T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-4T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	5	IC-IN-5T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-5T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	6	IC-IN-6T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-6T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	8	IC-IN-8T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-8T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	10	IC-IN-10T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-10T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	12	IC-IN-12T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-12T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	14	IC-IN-14T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-14T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	16	IC-IN-16T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-16T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	19	IC-IN-19T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-19T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	20	IC-IN-20T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-20T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR

ISO 9001
Cert. 99 100 22646 (TÜV SÜD)

ISI
BIS CM/L 6200267409 (IS 7098 Pt-1)

RoHS
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Make in India
Manufactured in India

	24	IC-IN-24T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-24T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	30	IC-IN-30T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-30T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
	37	IC-IN-37T-00075-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-37T-00075-TC-PE-2YWY-0300-EN50288P7-OSCR
1.0	1	IC-IN-1T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-1T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	2	IC-IN-2T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-2T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	4	IC-IN-4T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-4T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	5	IC-IN-5T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-5T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	6	IC-IN-6T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-6T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	8	IC-IN-8T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-8T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	10	IC-IN-10T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-10T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	12	IC-IN-12T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-12T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	14	IC-IN-14T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-14T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	16	IC-IN-16T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-16T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	19	IC-IN-19T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-19T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	20	IC-IN-20T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-20T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	24	IC-IN-24T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-24T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	30	IC-IN-30T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-30T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
	37	IC-IN-37T-00100-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-37T-00100-TC-PE-2YWY-0300-EN50288P7-OSCR
1.5	1	IC-IN-1T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-1T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	2	IC-IN-2T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-2T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	4	IC-IN-4T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-4T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	5	IC-IN-5T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-5T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	6	IC-IN-6T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-6T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	8	IC-IN-8T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-8T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	10	IC-IN-10T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-10T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
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	20	IC-IN-20T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-20T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	24	IC-IN-24T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-24T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	30	IC-IN-30T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-30T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
	37	IC-IN-37T-00150-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-37T-00150-TC-PE-2YWY-0300-EN50288P7-OSCR
2.5	1	IC-IN-1T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-1T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR
	2	IC-IN-2T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-2T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR
	4	IC-IN-4T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-4T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR
	5	IC-IN-5T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-5T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR
	6	IC-IN-6T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-6T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR
	8	IC-IN-8T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-8T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR
	10	IC-IN-10T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-10T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR

12	IC-IN-12T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-12T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR
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37	IC-IN-37T-00250-TC-PE-2YY-0300-EN50288P7-OSCR	IC-IN-37T-00250-TC-PE-2YWY-0300-EN50288P7-OSCR

Sizes and triad counts follow the weight & dimension table. PVC-insulated, strip-armoured and LSZH-sheathed variants use the same structure with the corresponding insulation and designation segments.

WEIGHT & DIMENSION DATA

500 VOLTS, SINGLE & MULTI TRIAD, STR.COPPER, PVC/PE INSULATED, ALUMINIUM MYLAR TAPED OVERALL SHIELDED, ARMOURED AND UNARMOURED INSTRUMENTATION CABLES AS PER EN 50288-7

AREA OF CONDUCTOR 0.5 SQ MM

Min. thickness of insulation 0.44 mm

	ARMOURED CABLES						UNARMOURED CABLES			
NO. OF TRIADS	INNER SHEATH MM	G.I. ARMOUR WIRE MM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM
1	0.9	0.9	1.3	11.0	225	230	0.9	6.6	52	57
2	1.0	0.9	1.4	14.7	350	360	1.0	10.1	94	105
4	1.0	0.9	1.4	16.3	440	455	1.0	11.7	145	165
5	1.1	0.9	1.5	17.8	510	530	1.1	13.0	180	205
6	1.1	0.9	1.5	19.0	560	590	1.1	14.2	205	235
8	1.2	0.9	1.5	21.0	670	710	1.2	16.2	270	305
10	1.2	1.25	1.6	24.0	910	960	1.2	18.3	325	370
12	1.3	1.25	1.6	24.9	990	1050	1.3	19.2	380	435
14	1.3	1.25	1.7	26.1	1080	1150	1.3	20.2	430	495
16	1.3	1.25	1.7	27.2	1160	1240	1.3	21.3	480	560
19	1.4	1.25	1.7	28.6	1290	1380	1.4	22.7	560	650
20	1.4	1.25	1.7	29.9	1360	1450	1.4	24.0	590	690
24	1.5	1.25	1.8	32.9	1580	1690	1.5	26.8	710	820
30	1.5	1.25	1.8	34.5	1760	1900	1.5	28.4	850	990
37	1.6	1.6	1.9	37.9	2240	2420	1.6	30.9	1030	1210

AREA OF CONDUCTOR 0.75 SQ MM

Min. thickness of insulation 0.44 mm

	ARMOURED CABLES						UNARMOURED CABLES			
NO. OF TRIADS	INNER SHEATH MM	G.I. ARMOUR WIRE MM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM
1	0.9	0.9	1.3	11.4	245	250	0.9	7.0	63	68
2	1.0	0.9	1.4	15.5	385	395	1.0	10.9	115	125
4	1.1	0.9	1.5	17.7	510	530	1.1	12.9	190	210
5	1.1	0.9	1.5	18.9	580	610	1.1	14.1	225	250
6	1.1	0.9	1.5	20.2	650	680	1.1	15.4	260	295
8	1.2	1.25	1.6	23.2	910	950	1.2	17.5	340	385
10	1.3	1.25	1.7	26.0	1070	1130	1.3	20.1	425	475
12	1.3	1.25	1.7	26.7	1150	1220	1.3	20.8	485	550
14	1.3	1.25	1.7	27.8	1260	1340	1.3	21.9	550	630
16	1.4	1.25	1.7	29.2	1380	1470	1.4	23.3	630	720
19	1.4	1.25	1.8	30.7	1520	1630	1.4	24.6	730	830
20	1.5	1.25	1.8	32.3	1630	1740	1.5	26.2	780	890
24	1.6	1.25	1.9	35.6	1890	2020	1.6	29.3	930	1060
30	1.6	1.6	1.9	38.1	2350	2510	1.6	31.1	1120	1290
37	1.7	1.6	2.0	41.0	2700	2900	1.7	33.8	1370	1570

ISO 9001
Cert. 99 100 22646 (TÜV SÜD)

ISI
BIS CM/L 6200267409 (IS 7098 Pt-1)

RoHS
Compliant

REACH
Compliant

Make in India
Manufactured in India

AREA OF CONDUCTOR 1.0 SQ MM

Min. thickness of insulation 0.44 mm

	ARMOURED CABLES						UNARMOURED CABLES			
NO. OF TRIADS	INNER SHEATH MM	G.I. ARMOUR WIRE MM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM
1	0.9	0.9	1.3	11.8	260	265	0.9	7.4	72	78
2	1.0	0.9	1.4	16.1	420	430	1.0	11.5	135	145
4	1.1	0.9	1.5	18.5	570	600	1.1	13.7	225	250
5	1.1	0.9	1.5	19.8	640	670	1.1	15.0	270	300
6	1.2	0.9	1.5	21.4	730	770	1.2	16.6	325	360
8	1.2	1.25	1.6	24.4	1010	1060	1.2	18.7	410	460
10	1.3	1.25	1.7	27.3	1210	1270	1.3	21.4	510	570
12	1.3	1.25	1.7	28.1	1300	1370	1.3	22.2	590	660
14	1.4	1.25	1.7	29.5	1440	1520	1.4	23.6	690	770
16	1.4	1.25	1.8	31.0	1580	1670	1.4	24.9	770	870
19	1.5	1.25	1.8	32.6	1760	1870	1.5	26.5	910	1020
20	1.5	1.25	1.8	34.1	1850	1970	1.5	28.0	950	1070
24	1.6	1.6	1.9	38.4	2370	2510	1.6	31.4	1140	1290
30	1.7	1.6	2.0	40.7	2730	2910	1.7	33.5	1400	1580
37	1.8	1.6	2.0	43.6	3130	3310	1.8	36.4	1700	1920

AREA OF CONDUCTOR 1.5 SQ MM

Min. thickness of insulation 0.44 mm

	ARMOURED CABLES						UNARMOURED CABLES			
NO. OF TRIADS	INNER SHEATH MM	G.I. ARMOUR WIRE MM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM
1	0.9	0.9	1.4	12.7	300	305	0.9	8.1	90	97
2	1.1	0.9	1.5	17.7	500	510	1.1	12.9	175	190
4	1.1	0.9	1.5	19.9	670	700	1.1	15.1	295	320
5	1.2	0.9	1.6	21.7	780	820	1.2	16.7	360	395
6	1.2	1.25	1.6	24.0	1010	1050	1.2	18.3	425	465
8	1.3	1.25	1.7	26.7	1220	1280	1.3	20.8	550	610
10	1.4	1.25	1.7	29.8	1450	1520	1.4	23.9	690	760
12	1.4	1.25	1.8	30.8	1610	1690	1.4	24.7	800	880
14	1.5	1.25	1.8	32.3	1780	1870	1.5	26.2	920	1020
16	1.5	1.25	1.8	33.8	1940	2050	1.5	27.7	1040	1150
19	1.6	1.6	1.9	36.5	2380	2520	1.6	29.5	1220	1360
20	1.6	1.6	1.9	38.2	2520	2660	1.6	31.2	1290	1430
24	1.8	1.6	2.0	42.3	2940	3110	1.8	35.1	1560	1730
30	1.8	1.6	2.1	44.7	3390	3600	1.8	37.3	1890	2100
37	1.9	1.6	2.2	48.1	3940	4200	1.9	40.5	2310	2560

ISO 9001
Cert. 99 100 22646 (TÜV SÜD)

ISI
BIS CM/L 6200267409 (IS 7098 Pt-1)

RoHS
Compliant

REACH
Compliant

Make in India
Manufactured in India

AREA OF CONDUCTOR 2.5 SQ MM

Min. thickness of insulation 0.53 mm

	ARMOURED CABLES						UNARMOURED CABLES			
NO. OF TRIADS	INNER SHEATH MM	G.I. ARMOUR WIRE MM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM	OUTER SHEATH MM	OVERALL DIA. MM	WEIGHT PE KG/KM	WEIGHT PVC KG/KM
1	1.0	0.9	1.4	14.2	375	385	1.0	9.6	130	140
2	1.2	0.9	1.5	20.1	630	650	1.2	15.3	255	275
4	1.2	1.25	1.6	23.7	1020	1060	1.2	18.0	435	475
5	1.5	1.25	1.7	25.9	1190	1240	1.5	20.0	540	590
6	1.4	1.25	1.7	28.0	1350	1410	1.4	22.1	640	700
8	1.5	1.25	1.8	31.2	1610	1730	1.5	25.1	840	920
10	1.6	1.6	1.9	35.8	2180	2280	1.6	28.8	1040	1140
12	1.6	1.6	1.9	36.8	2400	2520	1.6	29.8	1220	1340
14	1.7	1.6	2.0	38.8	2670	2810	1.7	31.6	1410	1550
16	1.7	1.6	2.0	40.7	2920	3080	1.7	33.5	1590	1750
19	1.8	1.6	2.1	43.0	3290	3480	1.8	35.6	1870	2060
20	1.9	1.6	2.1	45.3	3500	3700	1.9	37.9	1990	2190
24	2.0	2.0	2.3	50.9	4420	4660	2.0	42.3	2370	2610
30	2.1	2.0	2.3	53.7	5090	5390	2.1	45.1	2910	3210
37	2.2	2.0	2.4	57.9	5930	6300	2.2	49.1	3550	3920

For Cables of sizes or triad not listed above the product data is available on request Dimensions & Weights are representative figures and may vary

FLAGGED 2.5 sq mm / 5 triad: the source gives sheath thickness 1.5 mm where the neighbouring rows read 1.2 (4 triad) and 1.4 (6 triad) — possibly a typo for 1.3. Reproduced exactly as written; confirm before publishing. The source construction text also reads “EN -550288-7” for the armour standard — corrected to EN 50288-7 on this sheet.

ELECTRICAL PARAMETER

AREA OF CONDUCTOR	MAX. DC RESISTANCE AT 20°C — PLAIN WIRES	MAX. DC RESISTANCE AT 20°C — METAL COATED WIRES	INSULATION RESISTANCE (PVC)	INSULATION RESISTANCE (PE/XLPE)	MUTUAL CAPACITANCE	L/R RATIO
Sq mm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

OUTSTANDING FEATURES

- FLAME RETARDANT
- LOW SMOKE EMISSION
- LONG LIFE

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