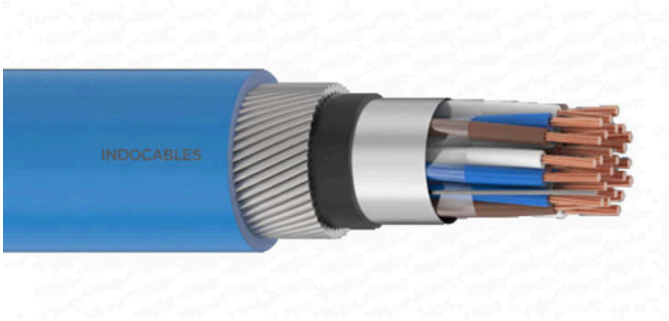
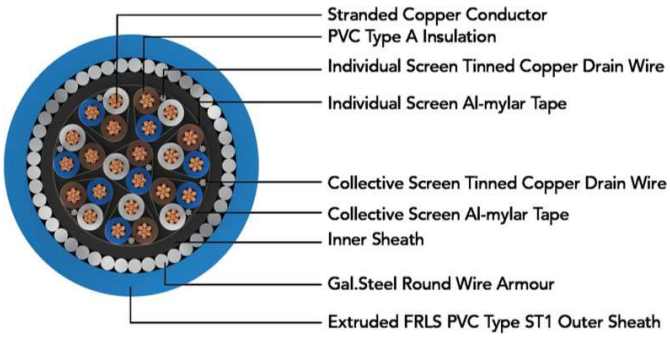
INSTRUMENTATION CABLE · INSTRU 500 (ST) TIMF · 500 V

INDOCABLES INSTRU 500 (ST) TIMF

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

VOLTAGE RATING	STANDARD	CONDUCTOR	TRIADS	BENDING RADIUS
500 V	EN 50288-7	0.5 – 2.5 mm²	2 – 37	12 × OD





Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES INSTRU 500 MT, Stranded copper conductor, PVC/PE insulated, Individual & 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 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 Individual & 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 Galvanised 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

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

DERIVED

The item master holds instrumentation triad codes only at 300 V with overall/individual screen designation ISCR — there are no 500 V rows and no individual-&-overall (IOSCR) designation in the register. Every code below is derived from the published code structure and carries no item ID until the Item Master Steward registers it.

CODE STRUCTURE

IC · IN · TRIADS · SIZE · TC · PE · DESIGNATION · 0500 · EN50288P7 · IOSCR

IN	TRIADS · SIZE	TC · PE	2YY · 2YWY	0500 · IOSCR
Instrumentation line	Triad count + T, sq.mm × 100	Tinned copper, PE insulated	Unarmoured · round wire armoured	500 V, individual & overall screened

SIZE	TRIADS	UNARMOURED · 2YY	ARMOURED · 2YWY
0.5	2	IC-IN-2T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-2T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	4	IC-IN-4T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-4T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	5	IC-IN-5T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-5T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	6	IC-IN-6T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-6T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	8	IC-IN-8T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-8T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	10	IC-IN-10T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-10T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	12	IC-IN-12T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-12T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	14	IC-IN-14T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-14T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	16	IC-IN-16T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-16T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	19	IC-IN-19T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-19T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	20	IC-IN-20T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-20T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	24	IC-IN-24T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-24T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	30	IC-IN-30T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-30T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
	37	IC-IN-37T-00050-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-37T-00050-TC-PE-2YWY-0500-EN50288P7-IOSCR
0.75	2	IC-IN-2T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-2T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	4	IC-IN-4T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-4T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	5	IC-IN-5T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-5T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	6	IC-IN-6T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-6T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	8	IC-IN-8T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-8T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	10	IC-IN-10T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-10T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	12	IC-IN-12T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-12T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	14	IC-IN-14T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-14T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	16	IC-IN-16T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-16T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	19	IC-IN-19T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-19T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	20	IC-IN-20T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-20T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	24	IC-IN-24T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-24T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
	30	IC-IN-30T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-30T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR

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

	37	IC-IN-37T-00075-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-37T-00075-TC-PE-2YWY-0500-EN50288P7-IOSCR
1.0	2	IC-IN-2T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-2T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	4	IC-IN-4T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-4T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	5	IC-IN-5T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-5T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	6	IC-IN-6T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-6T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	8	IC-IN-8T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-8T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	10	IC-IN-10T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-10T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	12	IC-IN-12T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-12T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	14	IC-IN-14T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-14T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	16	IC-IN-16T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-16T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	19	IC-IN-19T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-19T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	20	IC-IN-20T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-20T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	24	IC-IN-24T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-24T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	30	IC-IN-30T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-30T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
	37	IC-IN-37T-00100-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-37T-00100-TC-PE-2YWY-0500-EN50288P7-IOSCR
1.5	2	IC-IN-2T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-2T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	4	IC-IN-4T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-4T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	5	IC-IN-5T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-5T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	6	IC-IN-6T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-6T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	8	IC-IN-8T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-8T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	10	IC-IN-10T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-10T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	12	IC-IN-12T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-12T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	14	IC-IN-14T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-14T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	16	IC-IN-16T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-16T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	19	IC-IN-19T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-19T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	20	IC-IN-20T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-20T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	24	IC-IN-24T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-24T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	30	IC-IN-30T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-30T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
	37	IC-IN-37T-00150-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-37T-00150-TC-PE-2YWY-0500-EN50288P7-IOSCR
2.5	2	IC-IN-2T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-2T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	4	IC-IN-4T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-4T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	5	IC-IN-5T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-5T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	6	IC-IN-6T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-6T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	8	IC-IN-8T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-8T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	10	IC-IN-10T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-10T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	12	IC-IN-12T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-12T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	14	IC-IN-14T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-14T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	16	IC-IN-16T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-16T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	19	IC-IN-19T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-19T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
	20	IC-IN-20T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-20T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR

24	IC-IN-24T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-24T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
30	IC-IN-30T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-30T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR
37	IC-IN-37T-00250-TC-PE-2YY-0500-EN50288P7-IOSCR	IC-IN-37T-00250-TC-PE-2YWY-0500-EN50288P7-IOSCR

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, MULTI TRIAD, STR. COPPER, PVC/PE INSULATED, ALUMINIUM MYLAR TAPED INDIVIDUAL & 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
2	1.0	0.9	1.4	15.9	400	410	1.0	11.3	115	125
4	1.1	0.9	1.5	18.2	530	550	1.1	13.4	195	210
5	1.1	0.9	1.5	19.5	590	620	1.1	14.7	230	255
6	1.2	0.9	1.6	21.2	690	720	1.2	16.2	275	305
8	1.3	1.25	1.6	24.2	950	990	1.3	18.5	355	395
10	1.3	1.25	1.7	26.9	1110	1160	1.3	21.0	430	480
12	1.4	1.25	1.7	27.8	1210	1270	1.4	21.9	510	560
14	1.4	1.25	1.7	28.9	1310	1380	1.4	23.0	570	640
16	1.4	1.25	1.8	30.5	1440	1510	1.4	24.4	640	720
19	1.5	1.25	1.8	32.0	1590	1680	1.5	25.9	750	840
20	1.5	1.25	1.8	33.5	1680	1770	1.5	27.4	790	890
24	1.6	1.6	1.9	37.6	2160	2270	1.6	30.6	950	1070
30	1.7	1.6	2.0	39.9	2450	2600	1.7	32.7	1160	1300
37	1.8	1.6	2.1	43.0	2830	3010	1.8	35.6	1410	1580

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
2	1.1	0.9	1.5	17.2	460	470	1.1	12.4	145	155
4	1.1	0.9	1.5	19.2	590	620	1.1	14.4	230	255
5	1.2	0.9	1.6	21.0	690	720	1.2	16.0	285	315
6	1.2	1.25	1.6	23.2	900	930	1.2	17.5	335	365
8	1.3	1.25	1.7	25.8	1080	1130	1.3	19.9	430	475
10	1.4	1.25	1.7	28.8	1270	1330	1.4	22.9	540	590
12	1.4	1.25	1.8	29.8	1390	1450	1.4	23.7	620	680
14	1.5	1.25	1.8	31.2	1530	1600	1.5	25.1	720	790
16	1.5	1.25	1.8	32.6	1660	1740	1.5	26.5	800	890
19	1.6	1.25	1.9	34.5	1870	1970	1.6	28.2	940	1040
20	1.6	1.6	1.9	36.9	2170	2280	1.6	29.9	990	1100
24	1.7	1.6	2.0	40.6	2500	2630	1.7	33.4	1190	1320
30	1.8	1.6	2.1	43.0	2880	3040	1.8	35.6	1450	1610
37	1.9	1.6	2.1	46.1	3300	3500	1.9	38.7	1760	1960

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
2	1.1	0.9	1.5	17.9	495	510	1.1	13.1	165	175
4	1.1	0.9	1.5	20.1	650	670	1.1	15.3	270	295
5	1.2	0.9	1.6	22.0	760	790	1.2	17.0	335	365
6	1.2	1.25	1.6	24.3	990	1020	1.2	18.6	390	425
8	1.3	1.25	1.7	27.1	1190	1240	1.3	21.2	510	560
10	1.4	1.25	1.8	30.4	1420	1480	1.4	24.3	630	690
12	1.5	1.25	1.8	31.5	1560	1640	1.5	25.4	740	810
14	1.5	1.25	1.8	32.8	1710	1790	1.5	26.7	840	930
16	1.5	1.25	1.8	34.4	1860	1950	1.5	28.3	950	1050
19	1.6	1.6	1.9	37.1	2300	2410	1.6	30.1	1110	1230
20	1.7	1.6	2.0	39.2	2460	2580	1.7	32.0	1190	1310
24	1.8	1.6	2.0	43.0	2830	2970	1.8	35.8	1420	1570
30	1.9	1.6	2.1	45.6	3260	3440	1.9	38.2	1740	1920
37	2.0	2.0	2.2	49.9	4100	4320	2.0	41.5	2110	2340

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
2	1.1	0.9	1.5	19.1	560	570	1.1	14.3	205	215
4	1.2	1.25	1.6	22.7	890	920	1.2	17.0	350	375
5	1.3	1.25	1.6	24.6	1030	1060	1.3	18.9	430	465
6	1.3	1.25	1.7	26.5	1170	1210	1.3	20.6	500	550
8	1.4	1.25	1.8	29.6	1420	1480	1.4	23.5	660	710
10	1.5	1.25	1.8	33.1	1680	1750	1.5	27.0	820	890
12	1.6	1.25	1.9	34.4	1880	1970	1.6	28.1	960	1040
14	1.6	1.6	1.9	36.6	2260	2350	1.6	29.6	1100	1190
16	1.7	1.6	2.0	38.7	2500	2610	1.7	31.5	1250	1360
19	1.7	1.6	2.0	40.5	2760	2900	1.7	33.3	1450	1580
20	1.8	1.6	2.1	42.9	2970	3110	1.8	35.5	1540	1680
24	1.9	1.6	2.2	47.2	3450	3620	1.9	39.6	1850	2010
30	2.0	2.0	2.2	50.7	4280	4490	2.0	42.3	2260	2470
37	2.1	2.0	2.3	54.6	4960	5220	2.1	46.0	2750	3010

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
2	1.2	1.25	1.6	22.7	830	850	1.2	17.0	285	305
4	1.3	1.25	1.7	26.1	1150	1190	1.3	20.2	500	540
5	1.4	1.25	1.7	28.3	1340	1390	1.4	22.4	620	670
6	1.5	1.25	1.8	30.8	1540	1600	1.5	24.7	740	800
8	1.6	1.6	1.9	35.2	2070	2150	1.6	28.2	960	1040
10	1.7	1.6	2.0	39.5	2480	2580	1.7	32.3	1190	1290
12	1.8	1.6	2.0	40.8	2740	2860	1.8	33.6	1400	1520
14	1.8	1.6	2.1	42.8	3030	3170	1.8	35.4	1600	1740
16	1.9	1.6	2.1	45.1	3320	3480	1.9	37.7	1820	1980
19	2.0	2.0	2.2	48.5	4050	4240	2.0	40.1	2140	2330
20	2.1	2.0	2.3	51.2	4350	4550	2.1	42.6	2280	2480
24	2.2	2.0	2.4	56.4	5030	5270	2.2	47.6	2720	2960
30	2.3	2.5	2.5	60.8	6300	6600	2.3	50.8	3330	3630
37.00	2.5	2.5	2.6	66	7340	7710.0	2.5	55	4080	4450

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 The final row of the source table reads area 3 sq mm, triads 37.00, insulation 0.5 mm — most plausibly the 2.5 sq mm / 37 triad row (insulation 0.53). Reproduced exactly as written at the end of the 2.5 sq mm block; confirm before publishing.

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

- LOW SMOKE EMISSION
- FLAME RETARDANT
- LONG LIFE

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