**CABLE STRUCTURE****Conductor** : Non-compacted and compacted round annealed copper**Insulation** : Cross-Linked polyethylene (XLPE)**Core identification**

Single-core : Natural (Translucent)

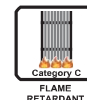
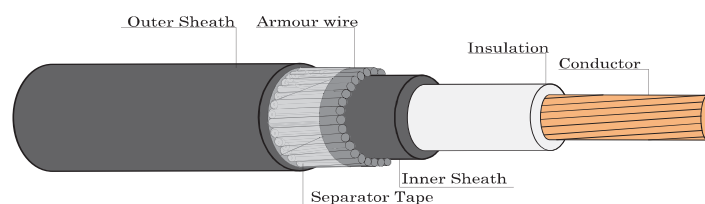
Inner Sheath : Black polyvinyl chloride (PVC)**Armor** : Aluminium wires**Sheath** : Black flame retardant polyvinyl chloride (PVC/ST2)**TECHNICAL DATA****Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts**Rated voltage** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line**Testing voltage** : 3,500 Volts**Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3-24 (Cat.C)**APPLICATION**

For installation exposed, or in raceway, wet or dry location, or direct burial in ground .

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Outer Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)			Continuous current rating in ground at 30°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
											Spaced 	Touching 	Trefoil 			
1	1.5	Non-Compacted	0.7	1.2	5.9	1.25	1.8	12.5	12.1	2,500	36	30	29	32	200	500/D
	2.5	Non-Compacted	0.7	1.2	6.4	1.25	1.8	13.0	7.41	2,100	48	39	38	41	220	500/D
	4	Non-Compacted	0.7	1.2	6.9	1.25	1.8	13.5	4.61	1,700	62	51	50	53	250	500/D
	6	Non-Compacted	0.7	1.2	7.5	1.25	1.8	14.0	3.08	1,450	78	64	63	65	280	500/D
	10	Compacted	0.7	1.2	8.0	1.25	1.8	14.5	1.83	1,250	104	85	83	86	330	500/D
	15	Compacted	0.7	1.2	9.0	1.25	1.8	16	1.15	1,000	136	112	109	110	410	500/D
	25	Compacted	0.9	1.2	10.5	1.25	1.8	17	0.727	1,050	179	147	143	141	550	500/D
	35	Compacted	0.9	1.2	11.5	1.25	1.8	19	0.524	900	217	179	174	169	650	500/D
	50	Compacted	1.0	1.2	13.0	1.25	1.8	20	0.387	850	261	216	210	199	800	500/D
	70	Compacted	1.1	1.2	15.0	1.25	1.8	22	0.268	800	327	270	262	243	1,000	500/D
	95	Compacted	1.1	1.2	16.5	1.60	1.8	24	0.193	650	404	334	325	292	1,400	500/D
	120	Compacted	1.2	1.2	18.5	1.60	1.8	26	0.153	650	467	387	376	331	1,600	500/D
	150	Compacted	1.4	1.2	20	1.60	1.8	28	0.124	700	532	442	429	371	2,000	500/D
	185	Compacted	1.6	1.2	22	2.00	1.8	31	0.0991	700	617	515	499	421	2,500	500/D
	240	Compacted	1.7	1.2	25	2.00	1.9	33	0.0754	650	733	613	594	487	3,100	500/D
	300	Compacted	1.8	1.2	28	2.00	2.0	36	0.0601	600	844	707	684	549	3,700	500/D
	400	Compacted	2.0	1.2	31	2.00	2.2	40	0.0470	600	979	822	794	622	4,700	500/D
	500	Compacted	2.2	1.2	34	2.00	2.3	43	0.0366	600	1139	957	921	703	6,000	500/D
	630	Compacted	2.4	1.3	38	2.50	2.4	49	0.0283	550	1333	1120	1075	795	7,500	500/D
	800	Compacted	2.6	1.3	43	2.50	2.6	53	0.0221	550	1527	1280	1222	881	9,000	300/D
	1000	Compacted	2.8	1.4	49	2.50	2.7	60	0.0176	500	1739	1453	1377	965	12,000	300/D

D : Packing in drum

Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

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IEC 60332-3-24 (Cat.C)**APPLICATION**

For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

Number of core	Nominal cross sectional area (mm ²)	A.C.Resistance R (Ω/km)			Inductance L (mH/km)			Reactance XL (Ω/km)			Impedance Z (Ω/km)		
		Space	Touching	Trefoil	Space	Touching	Trefoil	Space	Touching	Trefoil	Space	Touching	Trefoil
1	1.5	15.4287	15.4287	15.4287	0.8017	0.6630	0.6168	0.2519	0.2083	0.1938	15.4308	15.4301	15.4299
	2.5	9.4485	9.4485	9.4485	0.7626	0.6239	0.5777	0.2396	0.1960	0.1815	9.4515	9.4505	9.4502
	4	5.8782	5.8782	5.8782	0.7225	0.5838	0.5376	0.2270	0.1834	0.1689	5.8826	5.8811	5.8807
	6	3.9273	3.9273	3.9273	0.6908	0.5521	0.5059	0.2170	0.1735	0.1589	3.9333	3.9312	3.9305
	10	2.3335	2.3335	2.3335	0.6636	0.5250	0.4787	0.2085	0.1649	0.1504	2.3428	2.3393	2.3383
	16	1.4664	1.4664	1.4664	0.6289	0.4903	0.4440	0.1976	0.1540	0.1395	1.4797	1.4745	1.4731
	25	0.9271	0.9271	0.9271	0.6040	0.4654	0.4191	0.1897	0.1462	0.1317	0.9463	0.9386	0.9364
	35	0.6683	0.6683	0.6683	0.5835	0.4449	0.3986	0.1833	0.1398	0.1252	0.6930	0.6828	0.6800
	50	0.4936	0.4937	0.4937	0.5562	0.4176	0.3713	0.1747	0.1312	0.1167	0.5237	0.5108	0.5073
	70	0.3420	0.3421	0.3421	0.5379	0.3992	0.3530	0.1690	0.1254	0.1109	0.3815	0.3643	0.3596
	95	0.2465	0.2466	0.2466	0.5260	0.3873	0.3411	0.1652	0.1217	0.1072	0.2967	0.2750	0.2689
	120	0.1956	0.1957	0.1958	0.5126	0.3740	0.3278	0.1610	0.1175	0.1030	0.2533	0.2283	0.2212
	150	0.1587	0.1589	0.1590	0.5057	0.3671	0.3209	0.1589	0.1153	0.1008	0.2246	0.1963	0.1883
	185	0.1271	0.1273	0.1275	0.5054	0.3668	0.3206	0.1588	0.1152	0.1007	0.2034	0.1717	0.1625
	240	0.0971	0.0974	0.0977	0.4937	0.3551	0.3089	0.1551	0.1116	0.0970	0.1830	0.1481	0.1377
	300	0.0778	0.0783	0.0787	0.3487	0.3487	0.3025	0.1531	0.1096	0.0950	0.1718	0.1347	0.1234
	400	0.0615	0.0621	0.0625	0.4821	0.3435	0.2973	0.1515	0.1079	0.0934	0.1635	0.1245	0.1124
	500	0.0486	0.0494	0.0501	0.4746	0.3360	0.2898	0.1491	0.1056	0.0910	0.1568	0.1166	0.1039
	630	0.0386	0.0396	0.0403	0.4729	0.3343	0.2880	0.1486	0.1050	0.0905	0.1535	0.1122	0.0991
	800	0.0313	0.0325	0.0335	0.4670	0.3284	0.2822	0.1467	0.1032	0.0887	0.1500	0.1082	0.0948
	1000	0.0262	0.0276	0.0288	0.4593	0.3207	0.2745	0.1443	0.1008	0.0862	0.1467	0.1045	0.0909