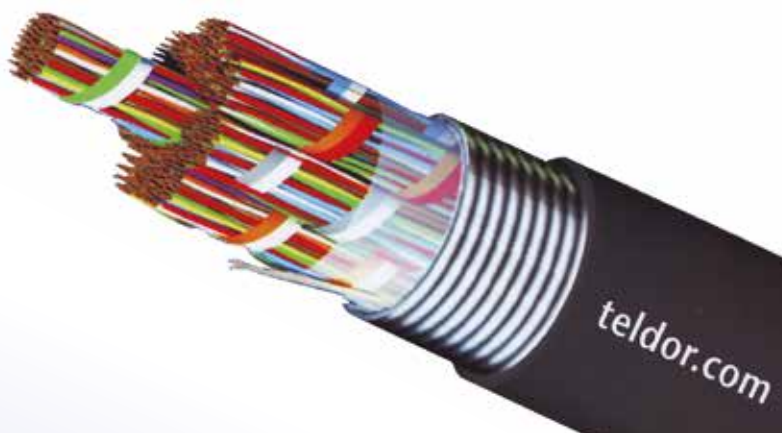


VERSION 01/2020

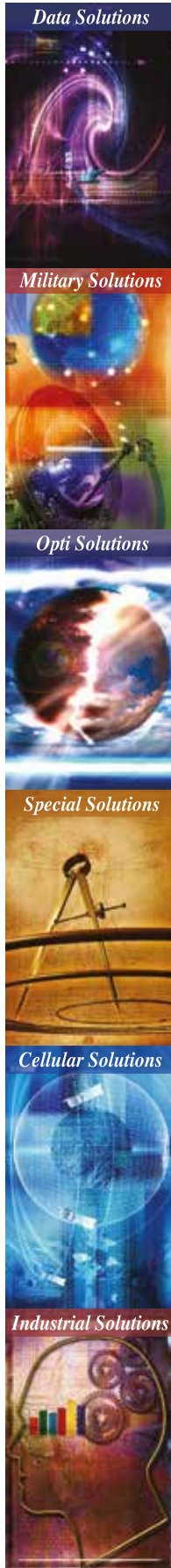


OSP Copper Cables

RUS PE-22, 38, 39, 89
ANSI/ICEA-S-85-625-2002
ANSI/ICEA-S-84-608-2002



TELDOR...The Best Connection™



TELDOR CABLES & SYSTEMS Ltd.

TELDOR is a world-class cable manufacturer committed to innovation and excellence. We have continually lived up to that commitment with the help of the best personnel, the latest equipment and future-oriented management. Today, Teldor is recognized as a leading cable manufacturer in almost all the markets where cables are sold and installed.

The company was established in 1966, with the intent of manufacturing power and telecommunication cables. Over the years it has diversified to additional fields, always seeking the most competitive and profitable markets.

TELDOR products are sold and distributed in more than 25 countries on all 5 continents, Sixty percent (60%) of all sales are exported. Teldor cables can be found in the most prestigious cabling projects all around the world, marked either with the Teldor brand name or with one of the many international cabling companies to whom we provide cable with a private label. Teldor is a certified supplier to many companies and organizations around the world.

TELDOR also anticipates the demands of future markets with progressive research and development. The company continuously monitors and interprets industry trends, and uses state-of-the-art R&D methods to introduce innovative new products that meet the needs of the rapidly changing market.

TELDOR utilizes the most advanced marketing methods, including a set of Interactive PC Catalogs available on its Internet site at www.teldor.com. Teldor moderates via its web site the Teldor Technical Cabling Forum (TTCF) - a professional discussion group dealing with technical questions concerning cabling systems for data communications and local area networks for high data-rates. Teldor's engineers routinely lecture in international seminars and training sessions all over the world. They also represent Israel in international standardization organizations such as ISO, IEC, IEEE, and are active in standardization committees in Israel.

TELDOR's quality system is approved to conform to the requirements of ISO-9001/2000. This approval confirms that Teldor meets the most comprehensive international standards in design, purchasing, manufacturing, testing, documentation, shipping and service. In addition, many of Teldor's products are approved and verified by national and international certification bodies such as UL, ETL and IIS.

FILLED FOAM-SKIN TELECOMMUNICATIONS CABLES

per **RUS PE-89**, Aluminum Shield, up to 200 pairs



SCOPE

This Specification describes a filled foam-skin insulated copper cable designed for duct or direct burial installation. The cable mechanical, environmental and electrical specifications conform to the US Rural Utilities Service (RUS) specification PE-89 (1755.890) and to ANSI/ICEA S-84-608-2002 specification.

CONSTRUCTION

Conductors

The conductors consist of a solid wire made of soft annealed copper coated with foam-skin polyethylene insulation.

Pairs

The conductors are twisted into pairs with varying lay lengths. The maximum pitch is 6". The conductors are color coded as follows:

Pair No.	Tip	Ring	Pair No.	Tip	Ring
1	White	Blue	14	Black	Brown
2	White	Orange	15	Black	Slate
3	White	Green	16	Yellow	Blue
4	White	Brown	17	Yellow	Orange
5	White	Slate	18	Yellow	Green
6	Red	Blue	19	Yellow	Brown
7	Red	Orange	20	Yellow	Slate
8	Red	Green	21	Violet	Blue
9	Red	Brown	22	Violet	Orange
10	Red	Slate	23	Violet	Green
11	Black	Blue	24	Violet	Brown
12	Black	Orange	25	Violet	Slate
13	Black	Green			

Dimensions & Weights

Pair Count	Wire Gauge	TELDOR P/N	Cable Diameter (Nominal)		Cable Weight (Nominal)	
	AWG		mm	Inch	kg/km	Lbs/kft
6	24	T50006012B	10.0	0.39	100	67
12		T50012015B	12.0	0.47	140	94
25		T50025013B	15.0	0.59	250	168
50		T50050018B	18.5	0.73	400	270
100		T50100022B	24.0	0.93	700	370
150		T50150003B	26.5	1.03	990	665
200		T50200026B	31.0	1.21	1290	865
6	22	T60006002B	11.0	0.43	115	77
12		T60012004B	13.0	0.51	190	128
25		T60025002B	16.5	0.65	320	215
50		T60050008B	20.5	0.81	540	363
100		T60100015B	29.0	1.13	1045	700
150		T60150004B	32.5	1.25	1540	1035
200		T60200013B	37.0	1.45	1990	1335
6	19	T90006003B	13.0	0.51	190	128
12		T90012003B	16.0	0.63	300	202
25		T90025005B	19.0	0.75	540	363
50		T90050011B	27.0	1.06	1000	672
100		T90100011B	38.0	1.50	1970	1320
150		T90150002B	42.0	1.65	2760	1850
200		T90200007B	48.0	1.85	3650	2450

SELF-SUPPORTED AERIAL AIR-CORE TELECOMMUNICATIONS CABLES

per **RUS PE-38**, Aluminum Shield, up to 200 pairs



SCOPE

This Specification describes an air-core solid polyethylene-insulated copper cable designed for aerial installation using an integrated steel messenger wire. The cable mechanical, environmental and electrical specifications conform to US Rural Utilities Service (RUS) specification PE-38 and ANSI/ICEA-S-85-625-2002.

CONSTRUCTION

Conductors

The conductors consist of a solid wire made of soft annealed copper coated with solid high density polyethylene insulation.

Pairs

The conductors are twisted into pairs with varying lay lengths. The maximum pitch is 6". The conductors are color coded per PE-38 as follows:

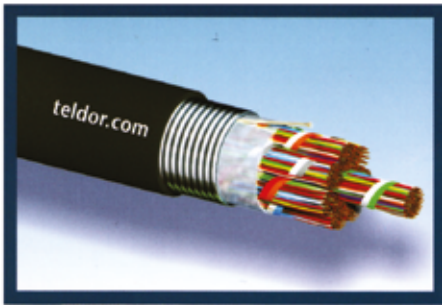
Pair No.	Tip	Ring	Pair No.	Tip	Ring
1	White	Blue	14	Black	Brown
2	White	Orange	15	Black	Slate
3	White	Green	16	Yellow	Blue
4	White	Brown	17	Yellow	Orange
5	White	Slate	18	Yellow	Green
6	Red	Blue	19	Yellow	Brown
7	Red	Orange	20	Yellow	Slate
8	Red	Green	21	Violet	Blue
9	Red	Brown	22	Violet	Orange
10	Red	Slate	23	Violet	Green
11	Black	Blue	24	Violet	Brown
12	Black	Orange	25	Violet	Slate
13	Black	Green			

Dimensions & Weights

Pair Count	Wire Gauge	TELDOR P/N	Cable Diameter (Nominal)		Neck Dimensions		Cable Weight (Nominal)	
	AWG		mm	Inch	mm	Inch	kg/km	Lbs/kft
6	24	T50006015B	9.0	0.35	21.0	0.83	290	195
12		T50012016B	11.0	0.43	23.0	0.91	320	215
25		T50025025B	13.5	0.53	25.5	1.00	390	262
50		T50050035B	17.0	0.67	29.0	1.14	520	350
100		T50100041B	22.5	0.89	35.0	1.38	770	520
150		T50150006B	27.5	1.08	39.0	1.54	1025	690
200	T50200028B	30.5	1.20	42.5	1.67	1260	845	
6	22	T60006003B	10.5	0.41	22.0	0.87	310	208
12		T60012000B	12.5	0.49	24.0	0.94	360	242
25		T60025003B	16.0	0.63	27.5	1.08	460	310
50		T60050013B	20.5	0.81	32.5	1.28	670	450
100		T60100013B	27.5	1.08	39.5	1.56	1070	720
150		T60150002B	32.5	1.28	44.0	1.73	1440	970
200	T60200011B	37.0	1.46	48.5	1.91	1800	1210	
6	19	T90006001B	12.0	0.47	23.5	0.93	360	242
12		T90002001B	15.0	0.59	26.5	1.04	450	300
25		T90025003B	19.5	0.77	31.5	1.24	655	440
50		T90050009B	26.5	1.04	38.0	1.50	1050	705
100		T90100009B	35.0	1.38	46.5	1.83	1770	1190

FILLED TELECOMMUNICATIONS CABLES

per **RUS PE-39**, Aluminum Shield, up to 200 pairs



SCOPE

This Specification describes a filled solid polyethylene-insulated copper cable designed for duct or direct burial installation. The cable mechanical, environmental and electrical specifications conform to US Rural Utilities Service (RUS) specification PE-39 (1755.390) and ANSI/ICEA-S-84-608-2002.

CONSTRUCTION

Conductors

The conductors consist of a solid wire made of soft annealed copper coated with solid high density polyethylene insulation.

Pairs

The conductors are twisted into pairs with varying lay lengths. The maximum pitch is 6". The conductors are color coded as follows:

Pair No.	Tip	Ring	Pair No.	Tip	Ring
1	White	Blue	14	Black	Brown
2	White	Orange	15	Black	Slate
3	White	Green	16	Yellow	Blue
4	White	Brown	17	Yellow	Orange
5	White	Slate	18	Yellow	Green
6	Red	Blue	19	Yellow	Brown
7	Red	Orange	20	Yellow	Slate
8	Red	Green	21	Violet	Blue
9	Red	Brown	22	Violet	Orange
10	Red	Slate	23	Violet	Green
11	Black	Blue	24	Violet	Brown
12	Black	Orange	25	Violet	Slate
13	Black	Green			

Dimensions & Weights

Pair Count	Wire Gauge	TELDOR P/N	Cable Diameter (Nominal)		Cable Weight (Nominal)	
	AWG		mm	Inch	kg/km	Lbs/kft
6	24	T50006014B	9.4	0.37	83	56
12		T50012017B	11.3	0.44	137	92
25		T50025024B	14.0	0.61	229	154
50		T50050020B	17.8	0.70	389	270
100		T50100027B	23.1	0.91	721	485
150		T50150005B	27.7	1.09	1027	690
200		T50200010B	31.1	1.24	1341	901
6	22	T60006001B	11.1	0.44	122	82
12		T60012005B	13.6	0.54	208	140
25		T60025006B	17.4	0.69	336	226
50		T60050014B	22.5	0.89	635	427
100		T60100014B	29.7	1.17	1148	771
150		T60150003B	35.9	1.41	1685	1132
200		T60200012B	40.5	1.59	2210	1485
6	19	T90006000B	13.8	0.54	186	125
12		T90012002B	17.5	0.69	332	223
25		T90025004B	23.1	0.91	606	407
50		T90050010B	30.5	1.20	1158	778
100		T90100010B	36.9	1.45	2231	1500
150		T90150001B	50.2	1.98	3266	2195
200		T90200006B	57.7	2.27	4389	2950

AIR-CORE TELECOMMUNICATIONS CABLES

per **RUS PE-22**, Aluminum Shield, up to 200 pairs



SCOPE

This Specification describes an air-core solid polyethylene-insulated copper cable designed for duct or direct burial installation. The cable mechanical, environmental and electrical specifications conform to US Rural Utilities Service (RUS) specification PE-22 (now de-activated) and to ANSI/ICEA-S-85-625-2002.

CONSTRUCTION

Conductors

The conductors consist of a solid wire made of soft annealed copper coated with solid high density polyethylene insulation.

Pairs

The conductors are twisted into pairs with varying lay lengths. The maximum pitch is 6". The conductors are color coded as follows:

Pair No.	Tip	Ring	Pair No.	Tip	Ring
1	White	Blue.	14	Black	Brown
2	White	Orange	15	Black	Slate
3	White	Green	16	Yellow	Blue.
4	White	Brown	17	Yellow	Orange
5	White	Slate	18	Yellow	Green
6	Red	Blue.	19	Yellow	Brown
7	Red	Orange	20	Yellow	Slate
8	Red	Green	21	Violet	Blue.
9	Red	Brown	22	Violet	Orange
10	Red	Slate	23	Violet	Green
11	Black	Blue.	24	Violet	Brown
12	Black	Orange	25	Violet	Slate
13	Black	Green			

Dimensions & Weights

Pair Count	Wire Gauge	TELDOR P/N	Cable Diameter (Nominal)		Cable Weight (Nominal)	
	AWG		mm	Inch	kg/km	Lbs/kft
6	24	T50006013B	9.3	0.37	77	25
12		T50012018B	11.1	0.44	113	76
25		T50025021B	13.8	0.54	185	125
50		T50050034B	17.4	0.70	310	210
100		T50100040B	22.5	0.90	550	370
150		T50150004B	26.5	1.05	790	530
200		T50200027B	30.5	1.20	1050	700
6	22	T60006004B	10.4	0.41	100	67
12		T60012006B	12.6	0.50	152	102
25		T60025005B	16.0	0.63	260	175
50		T60050012B	20.5	0.81	455	305
100		T60100012B	27.5	1.10	850	570
150		T60150001B	32.5	1.30	1220	820
200		T60200010B	37.0	1.45	1600	1075
6	19	T90006002B	12.2	0.48	150	100
12		T90012000B	15.2	0.60	245	165
25		T90025002B	19.7	0.78	445	300
50		T90050008B	25.7	1.00	810	545
100		T90100008B	35.0	1.40	1575	1060
150		T90150000B	42.0	1.65	2280	1530
200		T90200005B	48.0	1.90	3020	2030

SPECIAL CABLES

TELDOR P/N	Description	Cable Diameter (Nominal)		Cable Weight (Nominal)	
		mm	Inch	kg/km	Lbs/kft
T90002002B	PE-86 19/2pr	9.0	0.35	105	70
T90003000B	PE-86 19/3pr	12.0	0.47	173	116
T60002002B	BDW 22/2pr	9.0	0.35	70	47
T60003002B	BDW 22/3pr	10.5	0.41	110	74
T50002023B	BDW 24/2P	8.5	0.33	62	42

PRODUCT RANGE

DATA COMMUNICATION CABLES:

Cat. 5, Cat. 5e, Cat. 6, Cat. 6_A, Cat 7, Cat. 7_A, Cat 8
Advanced data cables operating up to 2000 MHz.

PATCH CABLES:

Patch, Jumpers and Work-area cables Category 5e, 6 and 7.

OUTDOOR CABLES:

A series of communication cables specially designed for outdoor and includes Category 5e, 6 and 7 cables and other cables.

FIBER OPTIC CABLES:

Long distance outside plant telephone cables up to 864 fibers (RUS approved)
CATV, and data communication cables
Distribution cables & Hybrid (composite) cables for Local Area Networks
Tactical cables for harsh environments

COPPER TELEPHONE CABLES:

OSP copper cables RUS approved up to 200 pairs
Indoor/Outdoor telecommunication cables up to 200 pairs
120 Ohm, ISDN and Digital Communication cables

INDUSTRIAL BUS CABLES AND INDUSTRIAL ETHERNET CABLES:

A line of Industrial automation & process control cables including Field Bus cables, RS-422 and RS-485 Cables.

Device Net, ProfiBus, InterBus, Industrial Twinax and Industrial Ethernet Cables.

CONTROL AND SIGNAL CABLES:

Instrumentation, Thermocouple Extension and Arctic Cables. Security and intrusion-detection Cables.

MICROPHONE, AUDIO-FREQUENCY AND ELECTRONIC CABLES & COAXIAL CABLES

MILITARY, SHIPBOARD AND AVIATION WIRES & CABLES

SPECIAL APPLICATIONS AND CUSTOM DESIGN CABLES

Hybrid Optical and Data Cables, Coaxial and Data Cables,
Power and Data Cables and many more

Production Plant.



Area: 350,000sq.ft
Covered: 206,000sq.ft



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