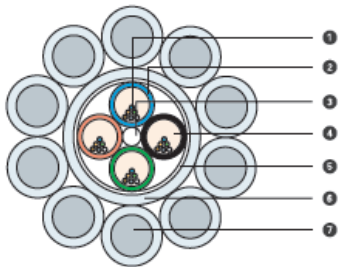
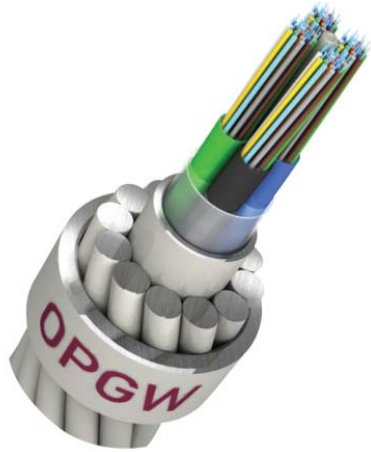


Taihan Cable Specifications Equivalent to Corning and AFL

2015. 3. 25



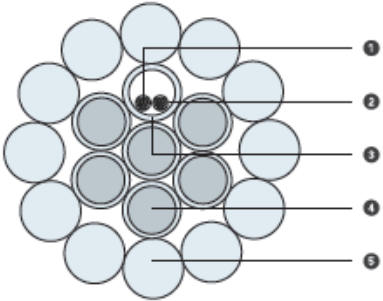
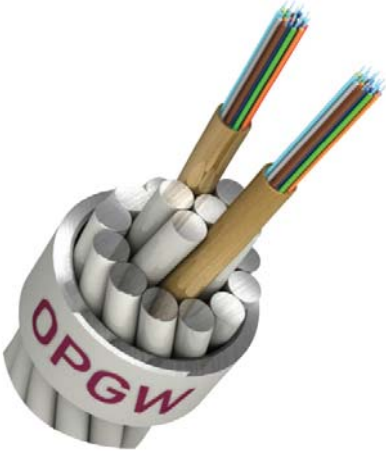
Non-metallic Loose Tube Type OPGW



No	FIBERS (max)	FAULT CURRENT	TOTAL CONDUCTOR AREA		OVERALL DIAMETER		WEIGHT		RBS		AFL Code	TFO Code
		(kA) ² sec	inch ²	mm ²	in	mm	lbs/ft	kg/km	lbs	kgf		
1	12	41	0.1210	78.09	0.465	11.8	0.303	451	16,215	7,355	AC-57/465	NM-57/465
2	12	51	0.1210	78.09	0.465	11.8	0.227	338	10,344	4,692	AC-29/29/465	NM-29/29/465
3	12	56	0.1445	93.21	0.504	12.8	0.371	552	20,329	9,221	AC-72/504	NM-72/504
4	12	70	0.1445	93.21	0.504	12.8	0.286	425	13,733	6,229	AC-32/40/504	NM-32/40/504
5	24	68	0.1519	97.99	0.528	13.4	0.362	538	18,391	8,342	AC-64/528	NM-64/528
6	24	81	0.1519	97.99	0.528	13.4	0.284	422	12,350	5,602	AC-29/34/528	NM-29/34/528
7	24	81	0.1675	108.07	0.551	14.0	0.407	605	21,131	9,585	AC-74/552	NM-74/552
8	24	98	0.1675	108.07	0.551	14.0	0.308	459	13,556	6,149	AC-37/37/552	NM-37/37/552
9	36	95	0.1758	113.39	0.571	14.5	0.413	614	20,547	9,320	AC-71/571	NM-71/571
10	36	110	0.1758	113.39	0.571	14.5	0.325	483	13,779	6,250	AC-33/38/571	NM-33/38/571
11	36	118	0.1985	128.06	0.606	15.4	0.479	713	24,831	11,263	AC-86/607	NM-86/607
12	36	141	0.2000	129.03	0.606	15.4	0.376	559	16,647	7,551	AC-40/47/607	NM-40/47/607
13	48	151	0.2208	142.43	0.646	16.4	0.511	760	25,097	11,384	AC-86/646	NM-86/646
14	48	172	0.2208	142.43	0.646	16.4	0.419	624	18,054	8,189	AC-34/52/646	NM-34/52/646
15	48	239	0.2876	185.57	0.724	18.4	0.704	1,048	35,034	15,891	AC-129/724	NM-129/724
16	48	292	0.2876	185.57	0.724	18.4	0.533	793	22,525	10,217	AC-65/65/724	NM-65/65/724
17	72	154	0.2218	143.08	0.657	16.7	0.523	779	25,556	11,592	AC-88/659	NM-88/659
18	72	177	0.2223	143.45	0.657	16.7	0.422	628	17,699	8,028	AC-38/49/659	NM-38/49/659
19	72	182	0.2458	158.56	0.688	17.5	0.589	877	29,555	13,406	AC-102/691	NM-102/691
20	72	212	0.2458	158.56	0.688	17.5	0.473	704	20,567	9,329	AC-44/58/691	NM-44/58/691
21	144	144	0.2137	137.85	0.645	16.4	0.499	742	24,070	10,918	AC-82/646	NM-82/646
22	144	166	0.2137	137.85	0.645	16.4	0.396	590	16,144	7,323	AC-39/43/646	NM-39/43/646
23	144	230	0.2818	181.78	0.724	18.4	0.695	1,034	34,884	15,823	AC-125/726	NM-125/726
24	144	277	0.2818	181.78	0.724	18.4	0.541	805	23,285	10,562	AC-58/67/726	NM-58/67/726

- ① Optical : Single mode optical fiber(SMF), multi mode optical fiber(MMF), Non-zero dispersion shifted optical fiber(NZ-DSF)
- ② Loose tube : Thermoplastic material(polybutylene terephthalate)
- ③ Central member : Fiber reinforced plastic(FRP)
- ④ Filling compound : Jelly compound
- ⑤ Wrapping tape : Heat resistance tape
- ⑥ Al tube : Aluminum tube
- ⑦ AS wire or Al alloy : Aluminum clad steel wire or Al alloy wire

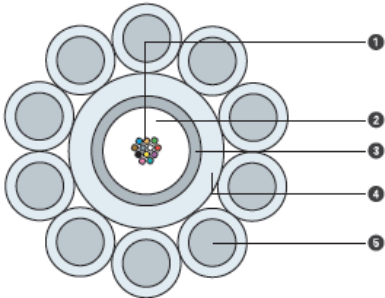
Stainless Steel Loose Tube Type OPGW



- ① Optical : Single mode optical fiber(SMF), multi mode optical fiber(MMF)
- ② Filling compound : Jelly compound
- ③ Steel tube : Stainless steel tube
- ④ AS wire or Al ally : Aluminum clad steel wire or Aluminum alloy wire
- ⑤ AS wire or Al ally : Aluminum clad steel wire or Aluminum alloy wire

No	FIBERS (max)	FAULT CURRENT	TOTAL CONDUCTOR AREA		OVERALL DIAMETER		WEIGHT		RBS		AFL Code	TFO Code
		(kA) ² sec	inch ²	mm ²	in	mm	lbs/ft	kg/km	lbs	kgf		
1	24	41	0.1235	79.67	0.472	12.0	0.281	418	14,947	6,780	SX-32/45/472	SS-32/45/472
2	36	41	0.1186	76.54	0.472	12.0	0.247	368	12,121	5,498	SX-41/32/472	SS-41/32/472
3	24	96	0.1760	113.55	0.555	14.1	0.316	471	15,393	6,982	SX-75/37/555	SS-75/37/555
4	24	116	0.1889	121.87	0.575	14.6	0.313	466	14,465	6,561	SX-90/30/575	SS-90/30/575
5	96	137	0.2130	137.45	0.630	16.0	0.417	621	20,042	9,091	S1-82/52/630	SS-82/52/630
6	96	152	0.2265	146.13	0.647	16.4	0.453	674	22,132	10,039	S1-83/59/647	SS-83/59/647
7	96	177	0.2429	156.69	0.669	17.0	0.478	712	23,303	10,570	S1-91/61/668	SS-91/61/668
8	144	118	0.2006	129.41	0.630	16.0	0.415	618	19,791	8,977	S1-71/52/630	SS-71/52/630
9	144	132	0.2140	138.09	0.647	16.4	0.452	672	21,881	9,925	S1-73/59/647	SS-73/59/647
10	144	155	0.2304	148.65	0.669	17.0	0.477	710	23,052	10,456	S1-81/61/668	SS-81/61/668
11	192	100	0.1881	121.37	0.630	16.0	0.414	616	19,540	8,863	S1-61/52/630	SS-61/52/630
12	192	114	0.2016	130.05	0.647	16.4	0.450	669	21,630	9,811	S1-63/59/647	SS-63/59/647
13	192	135	0.2179	140.61	0.669	17.0	0.476	708	22,800	10,342	S1-71/61/668	SS-71/61/668
14	288	68	0.1632	105.28	0.630	16.0	0.410	610	19,039	8,636	S1-41/52/630	SS-41/52/630
15	288	79	0.1766	113.96	0.647	16.4	0.446	664	21,129	9,584	S1-42/59/647	SS-42/59/647
16	288	97	0.1930	124.52	0.669	17.0	0.472	703	22,300	10,115	S1-50/61/668	SS-50/61/668

Al Covered Stainless Steel Loose Tube Type OPGW

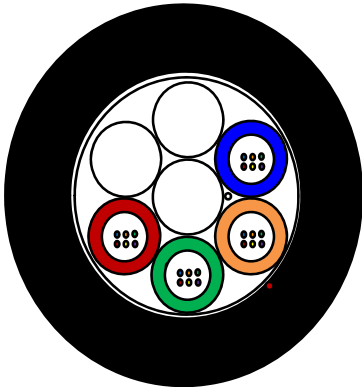


- ❶ Optical : Single mode optical fiber(SMF), multi mode optical fiber(MMF), Non-zero dispersion shifted optical fiber(NZ-DSF)
- ❷ Filling compound : Jelly compound
- ❸ Stainless steel tube : Stainless steel loose tube
- ❹ Al tube : Aluminum tube
- ❺ AS wire or Al alloy : Aluminum clad steel wire or Al alloy wire

No	FIBERS (max)	FAULT CURRENT	TOTAL CONDUCTOR AREA		OVERALL DIAMETER		WEIGHT		RBS		AFL Code	TFO Code
		(kA) ² sec	inch ²	mm ²	in	mm	lbs/ft	kg/km	lbs	kgf		
1	48	43	0.1249	80.56	0.465	11.8	0.314	467	16,625	7,541	CC-57/465	AT-57/465
2	48	54	0.1249	80.56	0.465	11.8	0.238	354	10,754	4,878	CC-29/29/465	AT-29/29/465
3	48	53	0.1339	86.39	0.472	12.0	0.316	471	16,089	7,298	CC-54/472	AT-54/472
4	48	63	0.1339	86.38	0.472	12.0	0.245	364	10,523	4,773	CC-27/27/472	AT-27/27/472
5	48	63	0.1474	95.08	0.496	12.6	0.355	529	18,455	8,371	CC-63/496	AT-63/496
6	48	75	0.1474	95.08	0.496	12.6	0.280	416	12,584	5,708	CC-29/34/496	AT-29/34/496
7	48	58	0.1483	95.68	0.504	12.8	0.382	568	20,741	9,408	CC-72/504	AT-72/504
8	48	74	0.1483	95.68	0.504	12.8	0.296	441	14,145	6,416	CC-32/40/504	AT-32/40/504
9	48	75	0.1647	106.23	0.528	13.4	0.411	611	21,832	9,903	CC-75/528	AT-75/528
10	48	94	0.1647	106.23	0.528	13.4	0.310	461	14,092	6,392	CC-38/38/528	AT-38/38/528
11	72	51	0.1318	85.04	0.472	12.0	0.316	470	16,067	7,288	CC-54/472	AT-54/472
12	72	61	0.1318	85.03	0.472	12.0	0.243	362	10,501	4,763	CC-27/27/472	AT-27/27/472
13	72	60	0.1453	93.73	0.496	12.6	0.355	528	18,433	8,361	CC-63/496	AT-63/496
14	72	73	0.1453	93.73	0.496	12.6	0.278	414	12,562	5,698	CC-29/34/496	AT-29/34/496
15	72	71	0.1546	99.75	0.508	12.9	0.367	546	18,678	8,472	CC-63/507	AT-63/507
16	72	85	0.1546	99.76	0.508	12.9	0.282	420	12,196	5,532	CC-32/32/507	AT-32/32/507
17	72	75	0.1647	106.23	0.528	13.4	0.411	611	21,832	9,903	CC-75/528	AT-75/528
18	72	94	0.1647	106.23	0.528	13.4	0.310	461	14,092	6,392	CC-38/38/528	AT-38/38/528
19	72	84	0.1698	109.54	0.531	13.5	0.411	612	21,380	9,698	CC-73/532	AT-73/532
20	72	100	0.1698	109.54	0.531	13.5	0.323	480	14,562	6,605	CC-33/40/532	AT-33/40/532

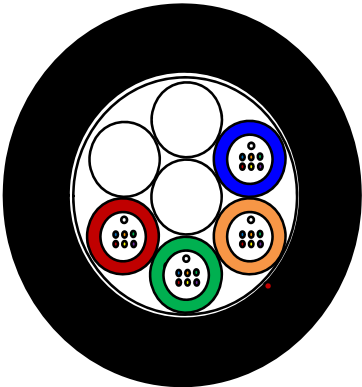
Fiber Optic Cable

ALTOS® Loose Tube, Gel-Filled Cable



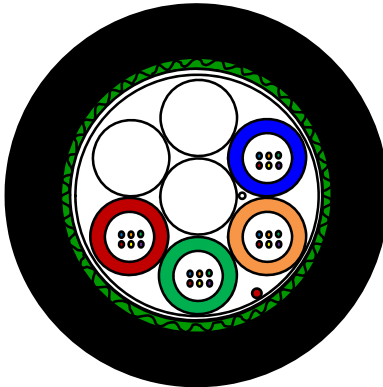
- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Outer Sheath
- Ripcord

ALTOS® Loose Tube, Gel-Free Cable



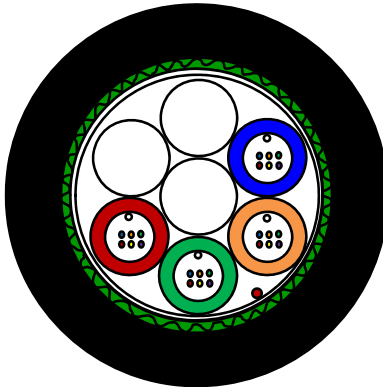
- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Outer Sheath
- Ripcord

ALTOS® Lite™ Loose Tube, Gel-Filled, Single-Jacket, Single-Armored Cable



- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Armoring
- Outer Sheath
- Ripcord

ALTOS® Lite™ Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cable



- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Armoring
- Outer Sheath
- Ripcord

Code	Core	Diameter [mm]	Weight [kg/km]
024EU4-T4101A20	-72	10.5	80
	73-96	12.2	108
	97-144	15.8	177
T001A	-72	10.5	80
	73-96	12.2	110
	97-144	15.1	170

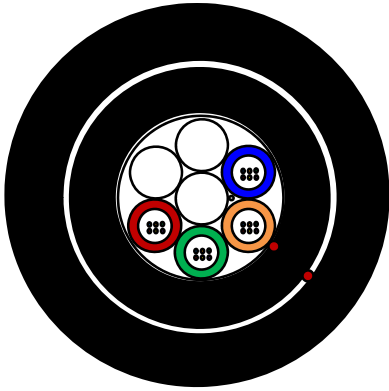
Code	Core	Diameter [mm]	Weight [kg/km]
024EU4-T4101D20	-72	10.5	73
	73-96	12.2	98
	97-144	15.8	162
T001B	-72	10.5	75
	73-96	12.2	105
	97-144	15.1	160

Code	Core	Diameter [mm]	Weight [kg/km]
024EUC-T4101A20	-72	12.1	136
	73-96	13.8	173
	97-144	17.5	262
T002A	-72	11.7	125
	73-96	13.4	160
	97-144	16.3	230

Code	Core	Diameter [mm]	Weight [kg/km]
024EUC-T4101D20	-72	12.1	129
	73-96	13.8	162
	97-144	17.5	245
T002B	-72	11.7	120
	73-96	13.4	155
	97-144	16.3	220

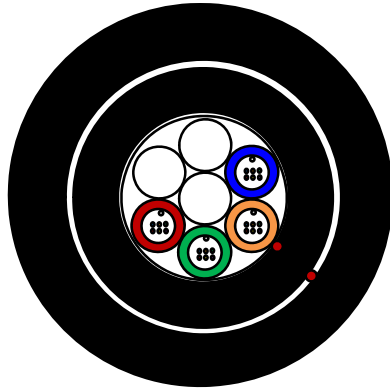
Fiber Optic Cable

ALTOS® Loose Tube, Gel-Filled, Double-Jacket Cable



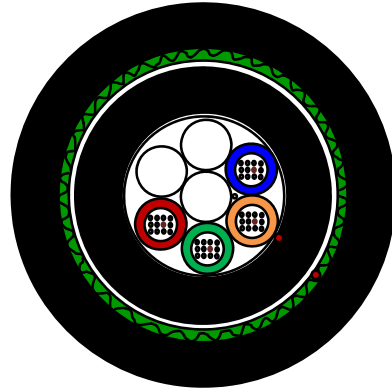
- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Outer Sheath
- Ripcord

ALTOS® Loose Tube, Gel-Free, Double-Jacket Cable



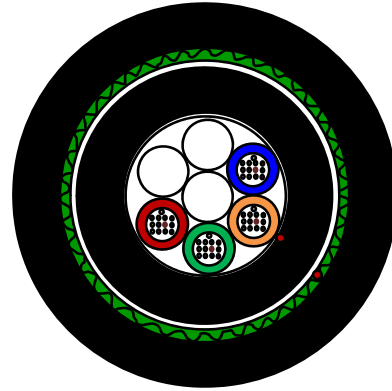
- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Outer Sheath
- Ripcord

ALTOS® Double-Jacket, Gel-Filled Single-Armored Cables



- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Armoring
- Outer Sheath
- Ripcord

ALTOS® Double-Jacket, Gel-Free Single-Armored Cables



- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Armoring
- Outer Sheath
- Ripcord

Code	Core	Diameter [mm]	Weight [kg/km]
024EUE-T4101A20	-72	12.5	114
	73-96	14.2	146
	97-144	17.7	224
T003A	-72	12.8	120
	73-96	14.5	150
	97-144	17.4	220

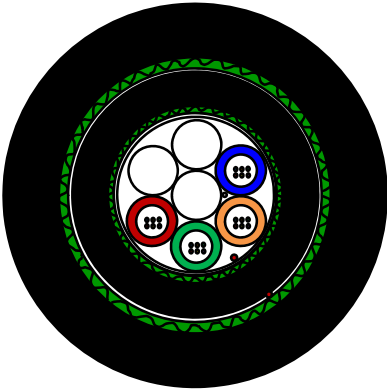
Code	Core	Diameter [mm]	Weight [kg/km]
024EUE-T4101D20	-72	12.5	107
	73-96	14.2	137
	97-144	17.7	209
T003B	-72	12.8	115
	73-96	14.5	145
	97-144	17.4	210

Code	Core	Diameter [mm]	Weight [kg/km]
024EU5-T4101A20	-72	14.3	179
	73-96	16.0	219
	97-144	19.7	318
T004A	-72	14.0	175
	73-96	15.7	210
	97-144	18.6	295

Code	Core	Diameter [mm]	Weight [kg/km]
024EU5-T4101D20	-72	14.3	179
	73-96	16.0	219
	97-144	19.7	318
T004B	-72	14.0	165
	73-96	15.7	200
	97-144	18.6	275

Fiber Optic Cable

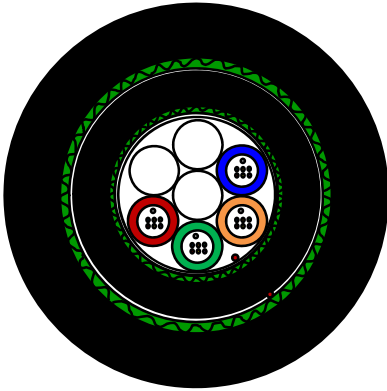
ALTOS® Lite™ Loose Tube, Gel-Filled, Double-Jacket, Double-Armored Cable



- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Double Armoring
- Outer Sheath
- Ripcord

Code	Core	Diameter [mm]	Weight [kg/km]
024EUD-T4101A20	-72	16.1	255
	73-96	17.8	307
	97-144	21.6	427
T005A	-72	16.2	255
	73-96	17.9	300
	97-144	20.8	395

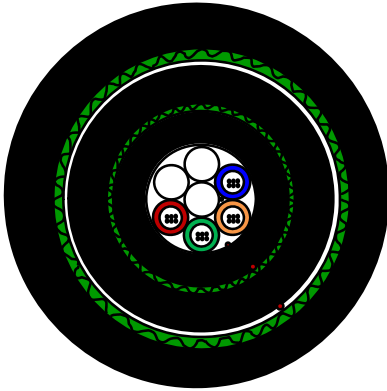
ALTOS® Lite™ Loose Tube, Gel-Free, Double-Jacket, Double-Armored Cable



- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Double Armoring
- Outer Sheath
- Ripcord

Code	Core	Diameter [mm]	Weight [kg/km]
024EUD-T4101D20	-72	16.1	247
	73-96	17.8	297
	97-144	21.6	412
T005B	-72	16.2	245
	73-96	17.9	290
	97-144	20.8	380

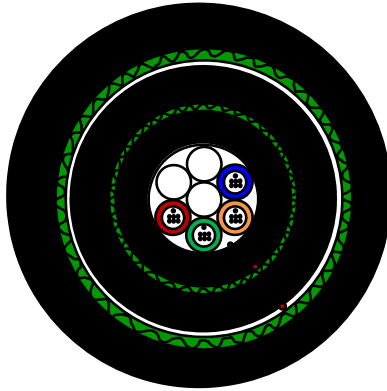
ALTOS® Loose Tube, Gel-Filled, Triple-Jacket, Double-Armored Cable



- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Intermediate Sheath
- Double Armoring
- Outer Sheath
- Ripcord

Code	Core	Diameter [mm]	Weight [kg/km]
024EU6-T4101A20	-72	18.3	310
	73-96	20.0	361
	97-144	23.8	487
T006A	-72	18.5	320
	73-96	20.2	370
	97-144	23.1	475

ALTOS® Loose Tube, Gel-Free, Triple-Jacket, Double-Armored Cable

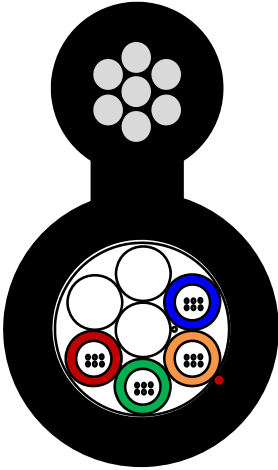


- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Intermediate Sheath
- Double Armoring
- Outer Sheath
- Ripcord

Code	Core	Diameter [mm]	Weight [kg/km]
024EU6-T4101D20	-72	18.3	310
	73-96	20.0	361
	97-144	23.8	487
T006B	-72	18.5	315
	73-96	20.2	365
	97-144	23.1	470

Fiber Optic Cable

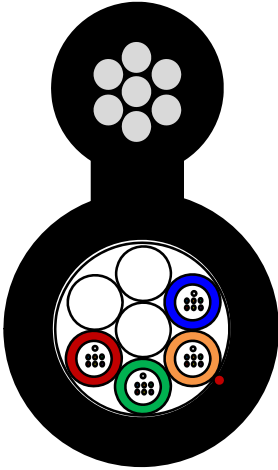
ALTOS® Figure-8
Loose Tube, **Gel-Filled** Cable
(Non-Armored)



- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Outer Sheath
- Ripcord
- Messenger Wire

Code	Core	Diameter [mm]	Weight [kg/km]
024EUA-T4101A20	-72	10.5x22.1	304
	73-96	12.2x23.8	332
	97-144	15.8x27.4	401
T007A	-72	10.5x22.3	330
	73-96	12.2x24.0	355
	97-144	15.1x26.9	415

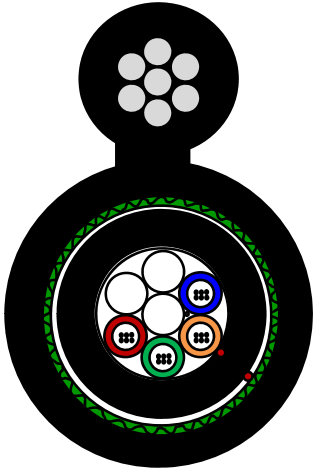
ALTOS® Figure-8
Loose Tube, **Gel-Free** Cable
(Non-Armored)



- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Outer Sheath
- Ripcord
- Messenger Wire

Code	Core	Diameter [mm]	Weight [kg/km]
024EUA-T4101D20	-72	10.5x22.1	297
	73-96	12.2x23.8	321
	97-144	15.8x27.4	386
T007B	-72	10.5x22.3	325
	73-96	12.2x24.0	350
	97-144	15.1x26.9	410

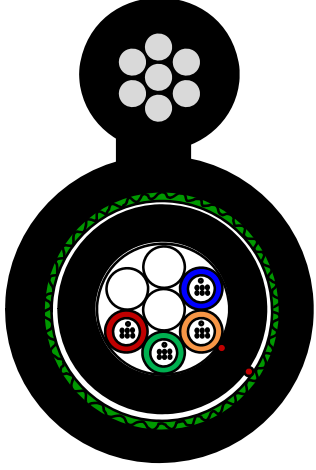
ALTOS® Figure-8
Loose Tube, **Gel-Filled** Cable
(Armored)



- Central Strength Member
- Loose Tube (Gel-Filled)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Armoring
- Outer Sheath
- Ripcord
- Messenger Wire

Code	Core	Diameter [mm]	Weight [kg/km]
024EUB-T4101A20	-72	14.3x25.9	403
	73-96	16.0x27.6	443
	97-144	19.7x31.3	542
T008A	-72	14.0x25.8	420
	73-96	15.7x27.5	460
	97-144	18.6x30.4	540

ALTOS® Figure-8
Loose Tube, **Gel-Free** Cable
(Armored)



- Central Strength Member
- Loose Tube (Gel-Free)
- Dummy Elements
- Stranding
- Longitudinal Water Tightness
- Inner Sheath
- Armoring
- Outer Sheath
- Ripcord
- Messenger Wire

Code	Core	Diameter [mm]	Weight [kg/km]
024EUB-T4101D20	-72	14.3x25.9	396
	73-96	16.0x27.6	432
	97-144	19.7x31.3	527
T008B	-72	14.0x25.8	415
	73-96	15.7x27.5	450
	97-144	18.6x30.4	525