Draka Comteq
Loose Tube Cable

Suitable for aerial, buried and duct applications, loose tube cables are the most widely used in the industry today.

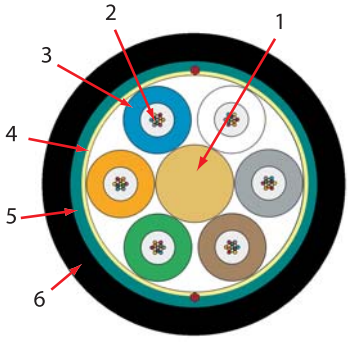
Draka Comteq loose tube cables are available in a wide range of fiber counts ranging from 2 to 432, and a variety of standard and custom configurations to support multiple applications including long haul, metropolitan and access networks. These versatile, reliable cables provide ease of installation, maintenance, and mid-span access.

Draka Comteq loose tube cables are available with your choice of world-class Draka Comteq fibers including standard singlemode, Enhanced Singlemode, TeraLight™ Metro NZDSF and TeraLight™ Ultra NZDSF, or a combination of these.

Features	Benefits
Fibers in individual buffer tubes	> Ease of installation, identification, and routing
ABM™ buffer tube material	> Greater flexibility, reliability, kink-resistance, and ease of midspan access
Advanced "dry" water blocking materials	> Faster and cleaner handling and access to fibers in the field
Colored high-strength ripcords	> Ease of identification and access through jacket or armor
Standards compliance	> High reliability and ruggedness
Optical fibers feature patented AFC™ coating with ColorLock™	> Fiber maintains optical performance and color vibrancy with aging

Draka Comteq optical cable products are designed for optimum performance and ease of installation, in accordance with industry technical specifications, standards, and references.

1. **Central Strength Member**
   Provides tensile strength and buckling resistance
2. **Optical Fibers**
   Draka Comteq's world-class color-coded singlemode optical fibers incorporate AFC™ coating with ColorLock™ for industry-leading long-term mechanical performance and color identification
3. **Color-Coded Buffer Tubes**
   Protect fibers from tensile, thermal, and vibration loads, maintaining their optical and mechanical integrity
4. **Water Blocking Material**
   Advanced "dry" material prevents water ingress.
5. **Armor (optional)**
   Corrugated steel tape for additional protection in buried environments
6. **Outer Jacket**
   Non-reclaimed high quality polyethylene.



The following tables provide information on standard cable configurations. Custom configurations are available including designs with metallic central strength member (CSM)

Cable Dimensions and Properties

Dielectric (Non-Armored)

Part Number	Fiber Count	# of Buffer Tubes	Cable Outer Diameter		Cable Weight		Minimum Bend Radius			
			in	mm	lb/kft	kg/km	in		mm	
							With Load	No Load	With Load	No Load
A-XX-LTS-1JKT-###	2 to 60	5	0.41	10.5	50	74	8	4	210	105
A-XX-LTS-1JKT-###	62 to 72	6	0.45	11.4	62	93	9	4	227	114
A-XX-LTS-1JKT-###	74 to 84	7	0.48	12.1	69	103	10	5	243	121
A-XX-LTS-1JKT-###	86 to 96	8	0.51	12.8	76	113	10	5	257	128
A-XX-LTS-1JKT-###	98 to 108	9	0.55	13.9	88	131	11	5	278	139
A-XX-LTS-1JKT-###	110 to 120	10	0.57	14.4	94	140	11	6	288	144
A-XX-LTS-1JKT-###	122 to 132	11	0.60	15.3	103	153	12	6	305	153
A-XX-LTS-1JKT-###	134 to 216	18	0.63	16.1	117	174	13	6	322	161
A-XX-LTS-1JKT-###	218 to 264	22	0.69	17.6	140	209	14	7	351	176
A-XX-LTS-1JKT-###	266 to 288	24	0.73	18.6	153	228	15	7	373	186
A-XX-LTS-1JKT-###	290 to 432	18	0.73	18.6	153	228	15	7	373	186

Single Jacket Armored (SP)

Part Number	Fiber Count	# of Buffer Tubes	Cable Outer Diameter		Cable Weight		Minimum Bend Radius			
			in	mm	lb/kft	kg/km	in		mm	
							With Load	No Load	With Load	No Load
A-XX-LTS-1A1J-###	2 to 60	5	0.45	11.5	89	133	9	7	230	173
A-XX-LTS-1A1J-###	62 to 72	6	0.50	12.7	106	157	10	8	254	191
A-XX-LTS-1A1J-###	74 to 84	7	0.53	13.5	116	172	11	8	269	202
A-XX-LTS-1A1J-###	86 to 96	8	0.56	14.2	125	186	11	8	284	213
A-XX-LTS-1A1J-###	98 to 108	9	0.60	15.2	141	209	12	9	305	229
A-XX-LTS-1A1J-###	110 to 120	10	0.63	16.0	151	225	13	9	320	240
A-XX-LTS-1A1J-###	122 to 132	11	0.66	16.8	161	240	13	10	335	251
A-XX-LTS-1A1J-###	134 to 216	18	0.69	17.5	179	266	14	10	351	263
A-XX-LTS-1A1J-###	218 to 264	22	0.76	19.3	209	311	15	11	386	290
A-XX-LTS-1A1J-###	266 to 288	24	0.80	20.3	225	335	16	12	406	305
A-XX-LTS-1A1J-###	290 to 432	18	0.80	20.3	225	335	16	12	406	305

Cable Dimensions and Properties

Double Jacket Armored (PSP)

Part Number	Fiber Count	# of Buffer Tubes	Cable Outer Diameter		Cable Weight		Minimum Bend Radius			
			in	mm	lb/kft	kg/km	in		mm	
							With Load	No Load	With Load	No Load
A-XX-LTS-1A2J-###	2 to 60	5	0.53	13.4	120	179	11	8	268	201
A-XX-LTS-1A2J-###	62 to 72	6	0.55	13.9	130	193	11	8	278	209
A-XX-LTS-1A2J-###	74 to 84	7	0.58	14.7	141	209	12	9	294	220
A-XX-LTS-1A2J-###	86 to 96	8	0.61	15.4	152	226	12	9	309	232
A-XX-LTS-1A2J-###	98 to 108	9	0.65	16.5	168	250	13	10	329	247
A-XX-LTS-1A2J-###	110 to 120	10	0.67	17.0	177	264	13	10	339	255
A-XX-LTS-1A2J-###	122 to 132	11	0.71	18.0	193	287	14	11	360	270
A-XX-LTS-1A2J-###	134 to 216	18	0.74	18.7	211	314	15	11	375	281
A-XX-LTS-1A2J-###	218 to 264	22	0.80	20.3	243	361	16	12	405	304
A-XX-LTS-1A2J-###	266 to 288	24	0.84	21.3	260	387	17	13	426	319

Double Jacket Double Armored (SPSP)

Part Number	Fiber Count	# of Buffer Tubes	Cable Outer Diameter		Cable Weight		Minimum Bend Radius			
			in	mm	lb/kft	kg/km	in		mm	
							With Load	No Load	With Load	No Load
A-XX-LTS-2A2J-###	4 to 60	5	0.65	16.5	198	294	13	10	330	248
A-XX-LTS-2A2J-###	62 to 72	6	0.68	17.2	218	324	14	10	344	258
A-XX-LTS-2A2J-###	74 to 84	7	0.71	18.0	232	346	14	11	360	270
A-XX-LTS-2A2J-###	86 to 96	8	0.74	18.7	248	369	15	11	375	281
A-XX-LTS-2A2J-###	98 to 108	9	0.78	19.8	271	403	16	12	395	296
A-XX-LTS-2A2J-###	110 to 120	10	0.81	20.5	286	425	16	12	410	308
A-XX-LTS-2A2J-###	122 to 132	11	0.84	21.3	302	450	17	13	426	319
A-XX-LTS-2A2J-###	134 to 216	18	0.87	22.0	324	482	17	13	441	331
A-XX-LTS-2A2J-###	218 to 264	22	0.94	23.8	367	547	19	14	477	357
A-XX-LTS-2A2J-###	266 to 288	24	0.98	24.8	391	581	20	15	497	373

Cable Dimensions and Properties

Triple Jacket Double Armored (PSPSP)

Part Number	Fiber Count	# of Buffer Tubes	Cable Outer Diameter		Cable Weight		Minimum Bend Radius in		Minimum Bend Radius mm	
			in	mm	lb/kft	kg/km	With Load	No Load	With Load	No Load
A-XX-LTS-2A3J-###	2 to 60	5	0.70	17.7	233	347	14	10	355	266
A-XX-LTS-2A3J-###	60 to 72	6	0.72	18.2	246	367	14	11	365	274
A-XX-LTS-2A3J-###	74 to 84	7	0.75	19.0	262	389	15	11	380	285
A-XX-LTS-2A3J-###	86 to 96	8	0.78	19.8	279	415	16	12	395	296
A-XX-LTS-2A3J-###	98 to 108	9	0.82	20.8	302	449	16	12	416	312
A-XX-LTS-2A3J-###	110 to 120	10	0.84	21.3	315	468	17	13	426	319
A-XX-LTS-2A3J-###	122 to 132	11	0.88	22.3	338	502	18	13	446	335
A-XX-LTS-2A3J-###	134 to 216	18	0.91	23.1	360	536	18	14	461	346
A-XX-LTS-2A3J-###	218 to 264	22	0.97	24.6	402	598	19	15	492	369
A-XX-LTS-2A3J-###	266 to 288	24	1.01	25.6	426	634	20	15	512	384

Cables with fiber counts up to 288 contain 12 fibers in an ABM™ buffer tube; Cables with fiber counts greater than 288 contain 24 fibers in a larger PBT buffer tube in 12 fiber binder groups. Weights given are for cables with a dielectric central strength member (CSM).

Part Number Guide

A particular part number is NOT complete until you select a fiber count and fiber type.

> A = print in feet
  M = printed in meters
> XX = fiber type
  - SF = standard singlemode
  - ES = Enhanced Singlemode
  - TM = TeraLight™ Metro
  - TU = TeraLight™ Ultra

> LTS = loose tube, standard duct, aerial lashed and direct buried
> 1JKT = non-armored (dielectric), PE sheath
  1A1J = single armor single jacket (SP)
  1A2J = single armor double jacket (PSP)
  2A2J = double armor double jacket (SPSP)
  2A3J = double armor triple jacket (PSPSP)
> ### = fiber count

Complies with Telcordia GR-20, RUS CFR-1755-900(PE90 listed), ANSI/ICEA S-87-640, and IECA 60794 performance requirements

Mechanical Specifications

Installation

> Maximum installation load: 600 lbf (2670 N)
> Maximum operation load: 180 lbf (800 N)

Temperature Range

> Shipping and storage: –50° C to +75° C
> Installation: –30° C to +60° C
> Operating: –40° C to +70° C

(For alternative temperature requirements contact your Draka Comteq sales representative)

For Additional Information

www.drakacomteq.us
Americas . . . . . +1 828 459 9787
. . . . . +1 800 879 9862
Fax . . . . . +1 828 459 8444