

## Optical Fiber Cables

### SMPTE 311M HDTV Cables



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Jacket Material & Colors	Component OD	
			ft.	m	lbs.	kg			inch	mm					inch	mm

**SMPTE 311M • 2 Power Conductors • SM Fiber w/24 and 16 AWG • Stranded (7x32 and 65x34) TC • Overall 95% Tinned Copper Braid**

PVC Insulation • Black Belflex® Jacket																
	<b>7804C</b>	NEC:	328	100	33.1	15.0	–	+ 95% TC Braid	0.362	9.20	2xFiber	2 Breakout Fibers SM/125µ/900µ core/clad/buffer	Unshielded	PVC Blue Yellow	0.079	2.00
		CMR:	500	152	47.6	21.6										
		CEC:	1000	305	95.9	43.5										
		CMG FT4	1640	500	152.6	69.2										
			3280	1000	314.8	142.8										
											2xData	2 Conductors 24 AWG 0.61 mm (7x32) TC	Unshielded	PVC Red Grey	0.050	1.27
											2xPower	2 Conductors 16 AWG 1.5 mm (65x34) TC	Unshielded	PVC Black White	0.093	2.36

Plenum version and other conductor counts/diameters available by special order.  
Fibers and aramid fillers contained within a 0.008" (2.0 mm) diameter PVC breakout jacket.

**SMPTE 311M • 4 Power Conductors • SM Fiber w/24 and 20 AWG • Stranded (7x32 and 19x32) TC • Overall 95% Tinned Copper Braid**

PVC Insulation • Black Belflex® Jacket																
	<b>7804R</b>	NEC:	328	100	32.8	14.9	–	+ 95% TC Braid	0.362	9.20	2xFiber	2 Fibers SM/125µ/900µ core/clad/buffer	Unshielded	PVC Blue Yellow	0.035	0.89
		CMR:	500	152	48.9	22.2										
		CEC:	1000	305	99.0	44.9										
		CMG FT4	1640	500	157.4	71.4										
			3280	1000	324.7	147.3										
											2xData	2 Conductors 24 AWG 0.61 mm (7x32) TC	Unshielded	PVC Red Grey	0.050	1.27
											4xPower	4 Conductors 20 AWG 0.94 mm (19x32) TC	Unshielded	PVC Black White White/Black Black/White	0.063	1.60

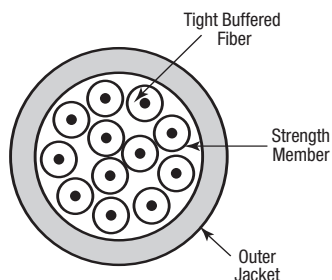
Plenum version and other conductor counts/diameters available by special order.

## Tactical Mobile Optical Fiber

De- scription	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/ Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Re- sistance kN/m	Energy kJ/m	Bending radii cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna- mic

**GMMT • Intex Mobile • Tight Buffer • Designed for Despooling and Respooling • A/I-VQ(ZN)11Y**

Dry Construction • PUR Jacket (Orange or Black)																		
-30/70°C	IEC 60332-1		6888	2100			Ø 280 ± 15			Longitudinal watertightness Swellable Reinforced Yarn				no				
	<b>GMMT</b> x04	4			143.5	65.1						0.23	5.8	800	4	580	58	87
	<b>GMMT</b> x06	6			175.9	79.8						0.25	6.3	950	4	725	63	95
	<b>GMMT</b> x08	8			217.6	98.7						0.28	7.0	1100	4	890	70	105



Color coding of the buffered fibers: White, Red, Blue, Yellow, Green, Violet, Brown, Black  
Optical characteristics see page 16.21.

TC = Tinned Copper • DCR = DC resistance