

Fiber Lighting Ribbon Cable and Orca Flux LEDs

Amphenol® TAPELITE® AND XPANDOLITE® RIBBON FIBER LIGHTING CABLE

TapeLite® and Xpandolite® are unique, non-electrical, flat, side emitting lighting cable systems designed for spaces where long lengths (up to 100 ft) are desired; Color can actually move across the cable by color wheel and fiber alignment. XpandoLite® intentionally violates the fiber's maximum acceptance angle allowing color not only to move across the cable fiber but expand physically.

Features:

- Provides a wash of colors that change rhythmically across the cable
- Can be programmed to blink or color change at any rate
- Designed to accept all commercial illuminator types
- Virtually maintenance free - rated for up to and over 50,000 hours
- No mercury hazard or risk of electric shock
- Tremendous flexibility in cable design
- Energy efficient - 1.4 watts/foot per 3.3 in" wide strip

Applications:

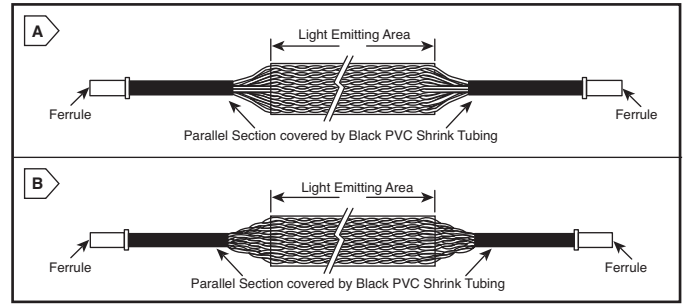
- Interior / Exterior Light
- Landscape Light
- Architectural Light
- Multi-Color Retail Light
- Pathway Light
- Cold Case Food Light
- Stage Accent Light
- Emergency Exit Light
- Explosion Proof Light
- Signage Light
- Hot Tub / Swimming Pool Light
- Bartop / Restaurant / Casino Light



XpandoLite®

- Cut to length
- Strip the translucent PVC film
- Install the heat shrink tubing*
- Attach the "Compression" ferrule
- Polish for maximum light launch into fibers

*Recommended Heat Shrink: 3M® FP-301



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Per Foot					
				1	10	25	50	150	250
Cable									
523-500-9998-060	500-9998-060	A	TapeLite® Unjacketed 30 twisted pair	15.88	14.30	13.49	12.33	11.35	10.51
523-545-9999-044	545-9999-044	B	XpandoLite® Bulk 22 twisted pair	14.38	12.94	11.16	10.27	9.51	8.86
Compression Fit Ferrules (Terminator)									
				Price Each					
523-580-2302-003	580-2302-003	-	Standard for TapeLite®, 30 pair	24.72	22.66	20.92	19.42	18.38	17.43
523-580-2302-001	580-2302-001	-	Standard for XpandoLite®, 22 pair	24.72	22.66	20.92	19.42	18.38	17.43
523-580-2302-004	580-2302-004	-	Oversized for 2 standard TapeLite® cables, 60 pair w/larger chuck	32.60	29.64	27.17	25.08	23.29	21.73
523-580-2302-002	580-2302-002	-	Oversized for 2 standard XpandoLite® cables, 44 pair w/larger chuck	32.60	29.64	27.17	25.08	23.29	21.73

Amphenol® ILLUMINATOR

Features:

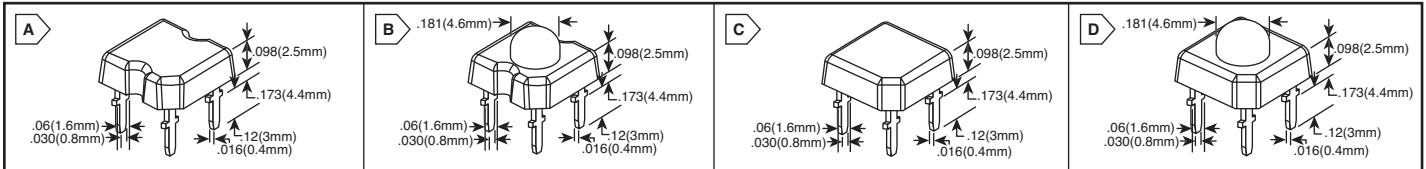
- High efficiency LED light source
- Full spectrum of colors without use of color wheel
- No electricity or heat at illumination point
- Standard 12V DC Power

For quantities greater than shown, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each	
			1	5
523-580-1002-001	580-1002-001	Multi-color programmable compact indoor RGB Dicon Illuminator; SMX512 compatible	649.23	528.50

BIVAR "ORCA" FLUX LEDS

ORCA series lens geometries include dome, oval and flat to provide viewing angles of 30 degrees, 45 degrees, 80 degrees and wide 160 degrees. The operational life of the ORCA series is up to 100,000 hours when operated within specified limits. The 7.6 mm package is designed to withstand high levels of shock and vibration that would otherwise damage traditional LED packages and filament-based light sources.



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part Number	Fig.	Package	Color		Forward Voltage (typ)	Luminous Intensity (typ. mcd)		Peak Wavelength (nm)	Viewing Angle	Price Each			
					Source	Lens		Min.	Typ.			1	10	100	250
Single Color															
749-R50RED-F-0160	A	4-pin Flux	Red	Water Clear	2.4	400	600	635	160	1.14	1.07	.96	.89		
749-R50YLW-F-0160	A	4-pin Flux	Yellow	Water Clear	2.4	400	600	594	160	.67	.62	.56	.52		
749-R20GRN-F-0160	A	4-pin Flux	Green	Water Clear	3.4	800	1000	526	160	1.19	1.11	1.00	.93		
749-R20BLU-F-0160	A	4-pin Flux	Blue	Water Clear	3.4	100	150	475	160	1.07	1.00	.90	.83		
749-R20WHT-F-0160	A	4-pin Flux	White	Water Clear	3.4	400	600	6000K	160	1.14	1.07	.96	.89		
749-R50RED-4-0045	B	4-pin Flux	Red	Water Clear	2.4	5000	6000	635	45	1.14	1.07	.96	.89		
749-R50RED-V-3045	B	4-pin Flux	Red	Water Clear	2.4	4000	6000	635	30/45	1.14	1.07	.96	.89		
749-R50RED-5-0080	B	4-pin Flux	Red	Water Clear	2.4	1500	2000	635	80	1.14	1.07	.96	.89		
749-R50YLW-4-0045	B	4-pin Flux	Yellow	Water Clear	2.4	5000	6000	594	45	.67	.62	.56	.52		
749-R50YLW-V-3045	B	4-pin Flux	Yellow	Water Clear	2.4	3000	4000	594	30/45	.67	.62	.56	.52		
749-R50YLW-5-0080	B	4-pin Flux	Yellow	Water Clear	2.4	1000	1500	594	80	.67	.62	.56	.52		
749-R20GRN-V-3045	B	4-pin Flux	Green	Water Clear	3.4	6000	8000	526	30/45	1.19	1.11	1.00	.93		
749-R20GRN-4-0045	B	4-pin Flux	Green	Water Clear	3.4	6000	8000	526	45	1.19	1.11	1.00	.93		
749-R20GRN-5-0080	B	4-pin Flux	Green	Water Clear	3.4	2500	3000	526	80	1.19	1.11	1.00	.93		
749-R20BLU-V-3045	B	4-pin Flux	Blue	Water Clear	3.4	1000	1500	475	30/45	1.07	1.00	.90	.83		
749-R20BLU-4-0045	B	4-pin Flux	Blue	Water Clear	3.4	1000	1500	475	45	1.07	1.00	.90	.83		
749-R20BLU-5-0080	B	4-pin Flux	Blue	Water Clear	3.4	400	600	475	80	1.07	1.00	.90	.83		
749-R20WHT-V-3045	B	4-pin Flux	White	Water Clear	3.4	6000	8000	6000K	30/45	1.14	1.07	.96	.89		
749-R20WHT-4-0045	B	4-pin Flux	White	Water Clear	3.4	6000	8000	6000K	45	1.14	1.07	.96	.89		
749-R20WHT-5-0080	B	4-pin Flux	White	Water Clear	3.4	1500	2000	6000K	80	1.14	1.07	.96	.89		
Bi-Color															
749-R50RG2-F-0160	C	4-pin Flux	Red/Grn	Water Clear	2.6/3.8	400/600	600/800	635/525	160	1.83	1.71	1.54	1.43		
749-R50RB2-F-0160	C	4-pin Flux	Red/Blue	Water Clear	2.6/3.8	400/100	600/150	635/470	160	1.55	1.44	1.30	1.20		
749-R50BG2-F-0160	C	4-pin Flux	Blue/Grn	Water Clear	3.8/3.8	100/600	150/800	470/525	80	2.38	2.22	2.00	1.85		
749-R50RG2-4-0045	D	4-pin Flux	Red/Grn	Water Clear	2.6/3.8	3000/4000	4000/5000	635/525	45	1.83	1.71	1.54	1.43		
749-R50RG2-5-0080	D	4-pin Flux	Red/Grn	Water Clear	2.6/3.8	1000/1500	1500/2000	635/525	80	1.83	1.71	1.54	1.43		
749-R50BG2-4-0045	D	4-pin Flux	Blue/Grn	Water Clear	3.8/3.8	200/4000	400/5000	470/525	160	2.38	2.22	2.00	1.85		
749-R50RB2-4-0045	D	4-pin Flux	Red/Blue	Water Clear	2.6/3.8	3000/200	4000/400	635/470	45	1.55	1.44	1.30	1.20		
749-R50RB2-5-0080	D	4-pin Flux	Red/Blue	Water Clear	2.6/3.8	800/100	1000/200	635/470	80	1.55	1.44	1.30	1.20		
749-R50BG2-5-0080	D	4-pin Flux	Blue/Grn	Water Clear	3.8/3.8	100/1000	150/1500	470/525	45	2.38	2.22	2.00	1.85		
RGB															
749-R50RGB-F-0160	C	4-pin Flux	RGB	Water Clear	2.6/3.8/3.8	400/100/600	600/800/150	635/525/470	160	2.79	2.59	2.34	2.16		
749-R50RGB-4-0045	D	4-pin Flux	RGB	Water Clear	2.6/3.8/3.8	3000/200/4000	4000/5000/400	635/525/470	45	2.79	2.59	2.34	2.16		
749-R50RGB-5-0080	D	4-pin Flux	RGB	Water Clear	2.6/3.8/3.8	800/100/1500	1000/2000/200	635/525/470	80	2.79	2.59	2.34	2.16		