

## JACKETED COMMUNICATION FIBER

Industrial Fiber Optics is an authorized distributor for Mitsubishi Rayon optical fiber. Our company maintains inventories of Mitsubishi Eska®, Super Eska and Eska Premier PMMA optical fiber and fiber cable. We offer overnight delivery, credit card purchases and service schedules to meet individual customer delivery requirements. The table below lists the types of Eska fiber cable in our inventory. Note that the part numbers for a complete spool are different than the part number when purchasing fiber by the meter. Not all varieties of fiber cable are available by the meter because of limited demand. Specification sheets on each type of fiber cable and a graph of attenuation versus wavelength values can be found on the Industrial Fiber Optics web site



GRADE	ESKA PRODUCT CODE	FIBER DIA.(mm) × NUM.	JACKET MAT'L/ COLOR	JACKET DIA.(mm)	ATTEN.	TENSILE STREN. (kg)	LENGTH PER SPOOL(m)	STOCK NUMBER		SPEC. SHEETS
					(dB/m) * <a href="#">WEB / PDF</a>			SPOOL	METER	
SUPER ESKA®	SH2001	0.5 × 1	PE (BLK)	1.0±0.07	<0.22	2	1000	<b>810116</b>	N/A	<a href="#">WEB / PDF</a>
	SH3001	.75 × 1	PE (BLK)	2.2±0.07	<0.20	5	500	<b>810117</b>	<b>810118</b>	<a href="#">WEB / PDF</a>
	SH4001	1.0 × 1	PE (BLK)	2.2±0.07	<0.20	9	500	<b>810004</b>	<b>IF-C-E1000</b>	<a href="#">WEB / PDF</a>
	SH4001	1.0 × 1	PE (BLK)	2.2±0.07	<0.20	9	1000	<b>810005</b>	N/A	<a href="#">WEB / PDF</a>
	SH6001	1.5 × 1	PE (BLK)	3.0±0.15	<0.20	16	500	<b>810019</b>	<b>IF-C-E1500</b>	<a href="#">WEB / PDF</a>
	SH8001	2.0 × 1	PE (BLK)	3.0±0.15	<0.20	29	500	<b>810020</b>	<b>IF-C-E2000</b>	<a href="#">WEB / PDF</a>
	SH4002	1.0 × 2	PE (BLK)	A.2.2±0.07 B.4.4±0.10	<0.20	14	500	<b>810025</b>	<b>IF-C-D1000</b>	<a href="#">WEB / PDF</a>
ESKA PREMIER®	GH4001	1.0 × 1	PE (BLK)	2.2±0.07	<.14	8	500	<b>810012</b>	<b>810011</b>	<a href="#">WEB / PDF</a>
	GH4002	1.0 × 2	PE (BLK)	A.2.2±0.07 B.4.4±0.10	<.14	14	500	<b>810027</b>	<b>810026</b>	<a href="#">WEB / PDF</a>
	GHCP4001	1.0 × 1	XPE (BLK)	2.2±0.07	<.14	8	500	<b>810120</b>	<b>810119</b>	<a href="#">WEB / PDF</a>
	GHCP4002	1.0 × 2	XPE (BLK)	2.2±0.07	<.14	14	500	<b>810125</b>	<b>810124</b>	<a href="#">WEB / PDF</a>
	GHV4001	1.0 × 1	PVC (GRAY)	2.2±0.07	<.14	7	500	<b>810013</b>	<b>810110</b>	<a href="#">WEB / PDF</a>
	GHV4002	1.0 × 2	PVC (GRAY)	2.2±0.07	<.14	14	500	<b>810130</b>	N/A	<a href="#">WEB / PDF</a>
	GHTT4001	1.0 × 1	PE (BLK) PVC (GRAY)	A.5.0±0.20 B.2.2±0.07	<.14	25	500	<b>810135</b>	N/A	<a href="#">WEB / PDF</a>
	GHTT4002	1.0 × 2	PE (BLK) PVC (GRAY)	6.0±0.20 A.2.2±0.07 B.4.3±0.10	<.14	45	400	<b>810140</b>	N/A	<a href="#">WEB / PDF</a>
ESKA MEGA®	MH4001	1.0 × 1	PE (BLK)	2.2±0.07	<.14	7	500	<b>810018</b>	N/A	<a href="#">WEB / PDF</a>

PE: Polyethylene  
PVC: Polyvinylchloride  
XPE: Crosslink polyethylene

<sup>1</sup> Fiber core material is heat resistant 115°C type  
<sup>2</sup> Fiber core material is heat resistant 125°C type  
\* Measured at room temperature with 650 nm collimated light

Graph of attenuation versus wavelength can be found on web site.

## OPTICAL PROPERTIES

GRADE	REFRACTIVE INDEX CORE	REFRACTIVE INDEX CLADDING	OPER. TEMP. (C°)	FIBER NA	ACCEPTANCE ANGLE
Super Eska®	1.492	1.402	-55~+70	0.51	60°
Eska Premier®	1.492	1.402	-55~+85	0.51	60°
Eska Mega®	1.492	1.456	-40~+85	0.30	35°

