

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) * WEB / PDF			SPOOL	METER	
SUPER ESKA®	SH2001	0.5 × 1	PE (BLK)	1.0±0.07	<0.22	2	1000	810116	N/A	WEB / PDF
	SH3001	.75 × 1	PE (BLK)	2.2±0.07	<0.20	5	500	810117	810118	WEB / PDF
	SH4001	1.0 × 1	PE (BLK)	2.2±0.07	<0.20	9	500	810004	IF-C-E1000	WEB / PDF
	SH4001	1.0 × 1	PE (BLK)	2.2±0.07	<0.20	9	1000	810005	N/A	WEB / PDF
	SH6001	1.5 × 1	PE (BLK)	3.0±0.15	<0.20	16	500	810019	IF-C-E1500	WEB / PDF
	SH8001	2.0 × 1	PE (BLK)	3.0±0.15	<0.20	29	500	810020	IF-C-E2000	WEB / PDF
	SH4002	1.0 × 2	PE (BLK)	A.2.2±0.07 B.4.4±0.10	<0.20	14	500	810025	IF-C-D1000	WEB / PDF
ESKA PREMIER®	GH4001	1.0 × 1	PE (BLK)	2.2±0.07	<.14	8	500	810012	810011	WEB / PDF
	GH4002	1.0 × 2	PE (BLK)	A.2.2±0.07 B.4.4±0.10	<.14	14	500	810027	810026	WEB / PDF
	GHCP4001	1.0 × 1	XPE (BLK)	2.2±0.07	<.14	8	500	810120	810119	WEB / PDF
	GHCP4002	1.0 × 2	XPE (BLK)	2.2±0.07	<.14	14	500	810125	810124	WEB / PDF
	GHV4001	1.0 × 1	PVC (GRAY)	2.2±0.07	<.14	7	500	810013	810110	WEB / PDF
	GHV4002	1.0 × 2	PVC (GRAY)	2.2±0.07	<.14	14	500	810130	N/A	WEB / PDF
	GHTT4001	1.0 × 1	PE (BLK) PVC (GRAY)	A.5.0±0.20 B.2.2±0.07	<.14	25	500	810135	N/A	WEB / PDF
	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	810140	N/A	WEB / PDF
ESKA MEGA®	MH4001	1.0 × 1	PE (BLK)	2.2±0.07	<.14	7	500	810018	N/A	WEB / PDF

PE: Polyethylene

PVC: Polyvinylchloride

XPE: Crosslink polyethylene

¹ Fiber core material is heat resistant 115°C type

² 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°

