ESKA[™] OPTOHOME Poly-Vinyl-Chloride Jacketed Optical Fiber Cord: RHVV4001-CMR

Manufactured by Mitsubishi Chemical Corporation

Marketed and sold by Mitsubishi International PolymerTrade Corporation

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Structure					Packag	Packaging			
Core Material		Polymethyl Me		ethacrylate Resin (PMMA)	Spool Len	Spool Length (m)		500	
Cladding Material		Fluorina		prinated Polymer	Net weight	t on spool (kg)		3.9	
Core Refractive Index				1.49 Spool Wei		ght (kg)		1.2	
Refractive Index Profile			Step Index		Carton Siz	Carton Size (mm)		365 X 365 X 160	
Numerical Aperture		0.5		0.5	Carton We	Carton Weight (kg)		4.5	
		Unit		Typical	Master Ca	Master Carton		5 spools	
Core Diameter		μm		980		Outer Sheath Color and Material			
		μπ			Color and	Material	White, Poly-Vinyl- Chloride		
Cladding Diameter		μm		1,000	Indication	on Outer		ireen; (UL)E336876 IITSUBISHI RAYON	
Jacket Color and Material		Black,		Poly-Vinyl-Chloride	Sheath	ESKA OPTOHOME TYPE OFNR FT4			
Outer Sheath Diameter		mm		2.2	Fire Rating	•	Riser OFNR FT4		
Approximate Weight g		g/r					T NOC		
Performance			Criteria for Acceptance and/or [Test Conditions]			Unit		Values	
Operation Temperature			No deterioration in optical properties [in a dry atmosphere]*			°C		-55 ~ 70	
Operating Temperature in a Moist Atmosphere			No deterioration in optical properties [under 95% RH] **			°C		Max.60	
	Transmission Loss [650nm Collimated Light]		[25°C 50% RH]			dB/km		Max.170	
Optical Properties			[Operation Temperature]			dB/km		Max.190	
	Bandwidth		[launch NA > Fiber NA]			MHz • 50m		Min.40	
Mechanical Character- istics	Minimum Bend Radius		Loss increment =< 0.5dB [a quarter bend]***			mm		Min.25	
	Repeated Bending Endurance		Loss increment =< 1 dB [in conformity to the JIS C 6861]****			Times		Min.5,000	
	Tensile Strength		[Tensile force at 5% Elongation; in conformity to the JIS C 6861]			N		Min.70	
	Twisting Endurance		Loss Increment =< 1 dB [sample length: 1m, Tensile Force: 4.9N]			Times		-	
	Impact Endurance		Loss Increment =< 1 dB [in Conformity to the JIS C 6861]			N∙m		-	

Notes: Performance tested in conditions under 25°C unless otherwise indicated.

- * Attenuation increase shall be <10% after 1,000 hours.
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except when due to absorbed water. *** In the direction of the minor axis.

**** Bend Angle +/-90°C, Bend Radius 15mm, Tension 500g.

Applications

The RH-Series of single-jacketed cables are for composite cables for home network applications.

The information contained herein is presented as a guide to product selection. It is subject to change without notice, and should not be regarded as a representation, warranty or guarantee with regard to the quality, characteristics or use of this product

Mitsubishi International PolymerTrade Corporation

2 Penn Plaza East, 11th Floor, Newark, NJ 07105 '