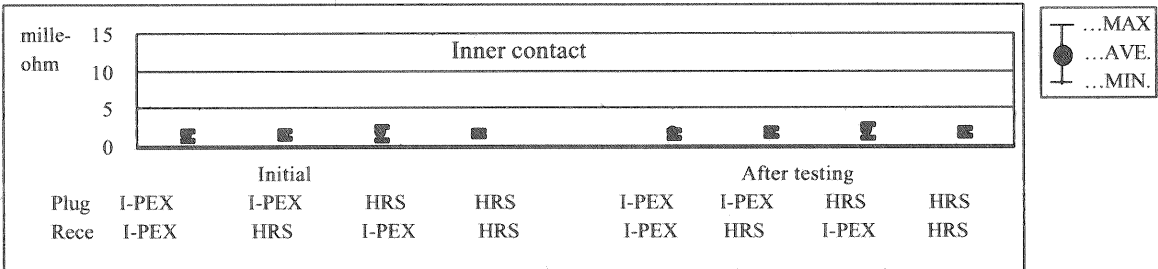


DOCUMENT CLASSIFICATION	TITLE	DOCUMENT No.
Qualification Test Report	Mechanical testing and environmental testing of I-PEX MHF and HIROSE U.FL connector	TR-1029

(8) Humidity

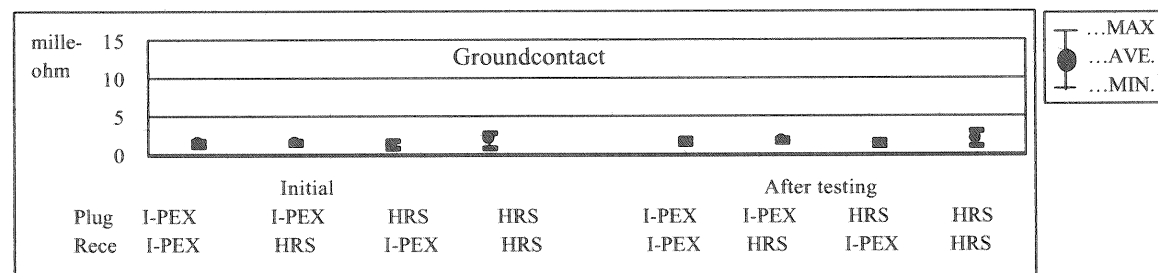
Contact resistance of inner contact

	Initial			
Plug	I-PEX	I-PEX	HIROSE	HIROSE
Receptacle	I-PEX	HIROSE	I-PEX	HIROSE
AVE.	1.51	1.60	1.84	1.46
MAX.	2.1	2.1	2.6	2.1
MIN.	0.8	1.1	0.8	1.2
S	0.41			
	After testing			
Plug	I-PEX	I-PEX	HIROSE	HIROSE
Receptacle	I-PEX	HIROSE	I-PEX	HIROSE
AVE.	1.66	1.74	1.96	1.56
MAX.	2.1	2.2	2.9	2.4
MIN.	1.1	1.3	0.9	1.2
S	0.34			
Units	mille-ohm	mille-ohm	mille-ohm	mille-ohm
Sample quantity	10pcs.	5pcs.	5pcs.	5pcs.



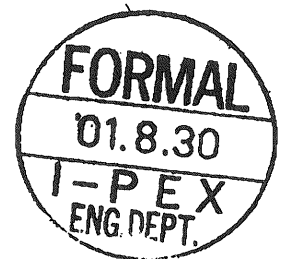
Contact resistance of ground contact

	Initial			
Plug	I-PEX	I-PEX	HIROSE	HIROSE
Receptacle	I-PEX	HIROSE	I-PEX	HIROSE
AVE.	1.44	1.52	1.20	1.96
MAX.	1.8	1.7	1.7	2.8
MIN.	1.0	1.3	0.8	0.7
S	0.25			
	After testing			
Plug	I-PEX	I-PEX	HIROSE	HIROSE
Receptacle	I-PEX	HIROSE	I-PEX	HIROSE
AVE.	1.55	1.66	1.30	2.06
MAX.	1.9	2.0	1.8	2.9
MIN.	1.2	1.4	0.9	1.0
S	0.25			
Units	mille-ohm	mille-ohm	mille-ohm	mille-ohm
Sample quantity	10pcs.	5pcs.	5pcs.	5pcs.



Patent of MHF series micro coaxial connector

No. IER-001-00572



					Prepared by	Reviewed by	Approved by
1	R1111	K.O	AUG/30/01	<i>K.O.</i>	K.Ohbayashi JUL / 05 / 01	E.Kawabe JUL / 06 / 01	K.Katabuchi JUL / 09 / 01
0	R1063	K.O	JUL/05/01	<i>K.O.</i>			
REV.	ECN	BY	DATE	APP.			
REVISION RECORD							

DOCUMENT CLASSIFICATION	TITLE	No.
Technical Report	Patent of MHF series micro coaxial connector	IER-001-00572
1. Name, part No. :MHF series micro coaxial connector , 20278-001R-**,20279-001E-01 2. Contents Our MHF series micro coaxial connector does not conflict with Hirose's patent under our research of patent issues at this moment. 弊社MHFシリーズ超小型同軸コネクタは、弊社調査結果においてはヒロセ電機の特許に抵触していない事を報告します。		

 SUMITOMO ELECTRIC INDUSTRIES, LTD

Sheet No. _____1____

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Tel.(028978)-0324 Fax.(028976)-2789

Head Office : Osaka
International Div: Tokyo

Messrs, _____High Tek_____

Date _____Oct. 9, 2002_____
Spec. No, _____IEE8-01026B_____

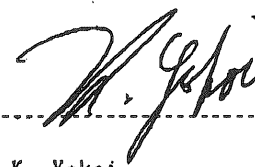
SPECIFICATION

FOR

LVCX Series
50Ω SUMIFRON® Insulation Coaxial Cable

0.7DS-PBE (COLOR)

SIGNED BY _____



K. Yokoi

Manager of Data Transmission
Engineering Section
Data Transmission Cable
Component Department
Electronic Wire Division

SUMITOMO ELECTRIC INDUSTRIES, LTD

Sheet No. 2
IEE8-01026B

1. Scope
This specification covers the construction and the electrical properties of 50Ω SUMIPRON® Insulation Coaxial Cable.

[0.7DS-PBE (COLOR)]

2. Construction

Unit:mm

Item		Details
Conductor	Material	Silver-coated copper wire
	Composition	7/0.079
	Nom. O.D.	0.237 (±0.03)
Insulation	Material	SUMIFLON® P (Natural)
	Nom. thick.	0.22
	Nom. O.D.	0.67 (±0.03)
Shield	Material	Silver-coated copper wire
	Composition	Single braid of 0.05
Jacket	Material	SUMIFLON® E (Color) **
	Nom. thick.	0.11
	Nom. O.D.	1.13 (±0.05)

3. Electrical Properties (at 20℃)

Item	Unit	Details
Conductor Resistance	Ω /km	Max. 567
Insulation Resistance	MΩ -km	Min. 305
Dielectric strength	ACV/1min.	500
Capacitance	pF/m	97 (1kHz)
Characteristic Impedance	Ω	50 ± 2 (TDR)
Attenuation *	dB/m	Nom. 1.82 (0.9GHz)
		Nom. 2.37 (1.5GHz)
		Nom. 2.70 (1.9GHz)
		Nom. 3.05 (2.4GHz)
		Nom. 3.43 (3.0GHz)
		Nom. 3.94 (4.0GHz)
		Nom. 4.45 (5.0GHz)
		Nom. 4.89 (5.8GHz)
		Nom. 5.16 (6.0GHz)

* Maximum Value = Nom.Value × 1.15
** White, Black, Blue, Gray