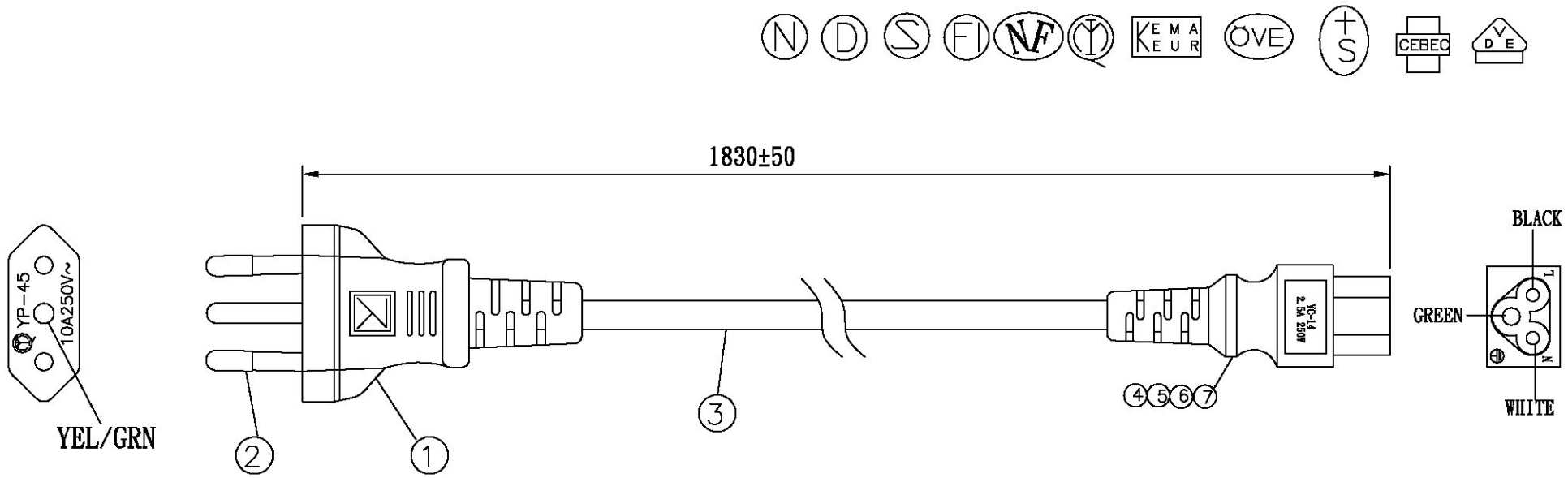
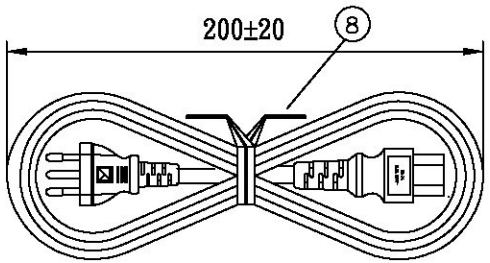
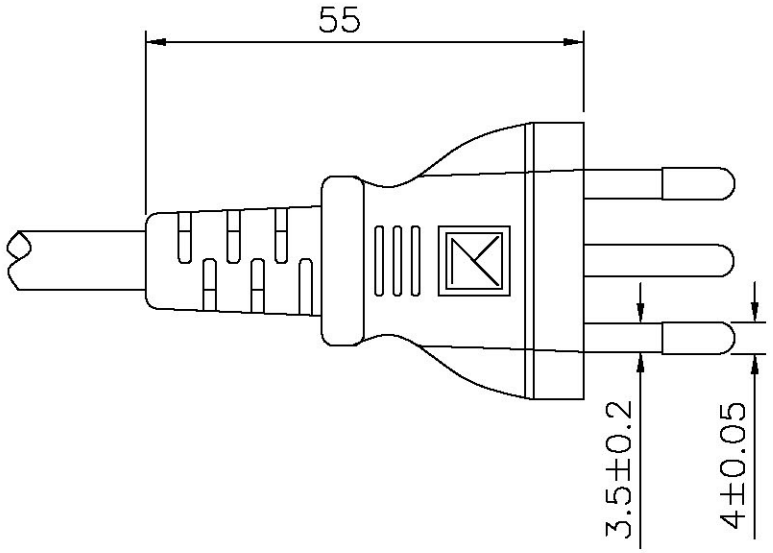
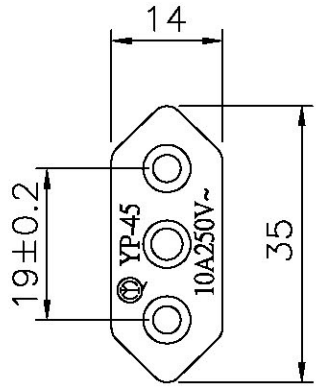


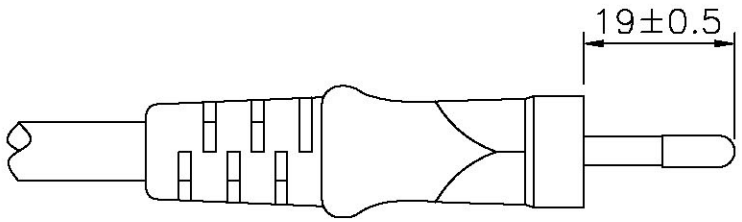


NO.	SPECIFICATION	Q'TY	REMARK
1	YP-45 PVC PLASTIC:50P BLACK	18g/PC	
2	IMQ FRAME BLACK	1PC	
3	H05VV-F 0.75/3C BLACK	1PC	1810±20
4	YC-14 PVC PLASTIC:35P BLACK	18g/PC	
5	TER:98732PS-0	1PC	
6	TER:98714PS-0	2PCS	
7	HOUSING:YC-14 BLACK	1PC	
8	MINI TIE:L=130mm BLACK	1PC	

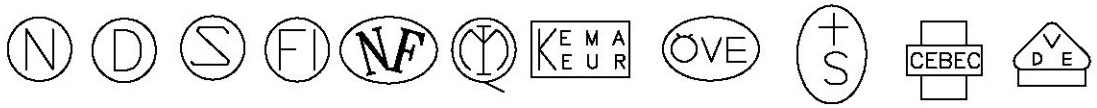
TOLERANCE >0±0.30 >1.0±0.50 >10.0±1.0 >20.0±2.0 Angle: ±1°	APPROVED		DATE		EFB ELEKTRONIK		
	CHECKED		DATE				
	DRAWN		DATE		CUSTOMER		
	TYPE	EK494.1,8			P/N		
	P/N				MATERIAL	P.V.C	UNIT mm
	DRAWING NO.		REV	B	SCALE		

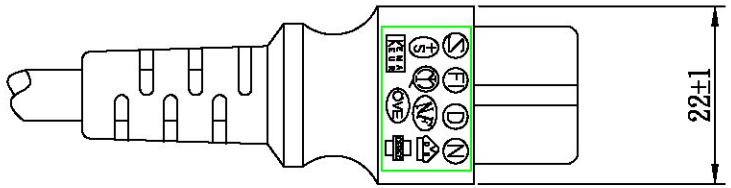


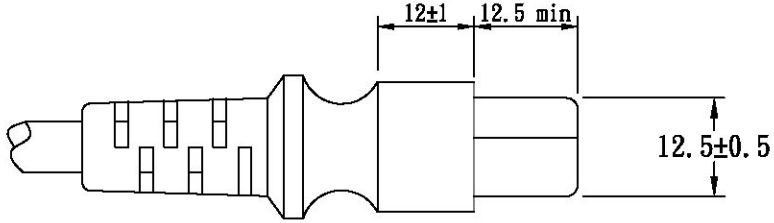


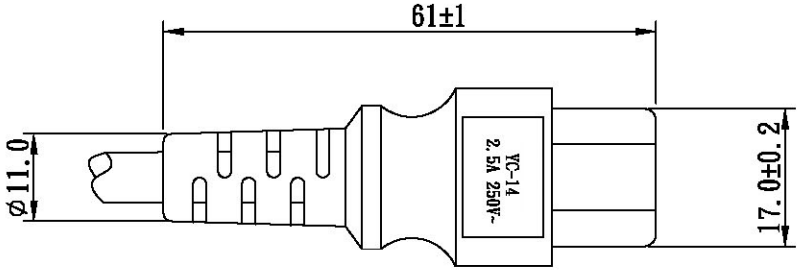


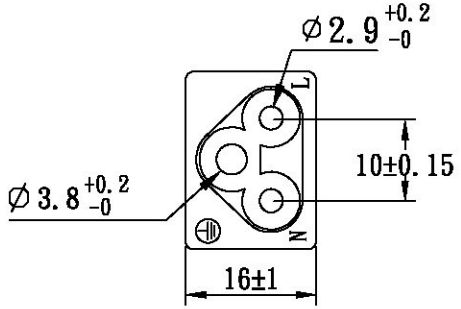
TOLERANCE >0± 0.30 >1.0± 0.50 >10.0± 1.0 >20.0± 2.0 Angle: ± 1°	APPROVED		DATE		EFB ELEKTRONIK		
	CHECKED		DATE				
	DRAWN		DATE		CUSTOMER		
	TYPE	EK494.1,8			P/N		
	P/N				MATERIAL	P.V.C	UNIT mm
	DRAWING NO.		REV		SCALE	1:1	











TOLERANCE >0±0.30 >1.0±0.50 >10.0±1.0 >20.0±2.0 Angle: ±1°	APPROVED		DATE		EFB ELEKTRONIK		
	CHECKED		DATE				
	DRAWN		DATE		CUSTOMER		
	TYPE	EK494.1,8			P/N		
	P/N				MATERIAL	P.V.C	UNIT mm
	DRAWING NO.		REV		SCALE	1:1	

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
EK494.1,8	POWER SUPPLY CORD		1 of 5

1. SCOPE:

This specification applies to POWER SUPPLY CORDS which are in compliance with IMQ standards and approved IMQ with approval number as follow:

Connector 02A9600347 , CB DE 4228

Plug 02A9600348 , 02A9700398

2. Standard of applicable

		Type	Max. voltages	Max. current
2.1	plug	YP-45	250V	10A
2.2	connector	YC-14	250V	2.5A
2.3	cord	**H05VV-F**	**3 x 0.75mm^2**	

3. TEST CONDITION: This test and measurement, unless otherwise specified shall be carried out at a temperature of 15^{0}C to 35^{0}C, relative humidity of 25% to 85%, and atmospheric pressure of 86kpa to 106kpa.

However, when any doubt arises on the judgement value under it the test and measurement shall be carried out at a temperature of 20±2^{0}C, relative humidity of 60% to 70%, and atmospheric pressure of 86kpa to 106kpa.

4.ELECTRICAL PERFORMANCE

NO.	Item	Test condition	Requirement
4-1	Dielectric Withstanding Voltage test	(a) In this air (20±5^{0}C) AC2000V is applied between a conductor and other conductor for 1 second.(Cut off current 0.3 mA). (b) Immersed in water(20±5^{0}C) AC 1000V is applied between a conductor and other conductor for 1 minute	No breakage No breakage
4-2	Current and Polarity test	L-L E-E N-N	No problem with Conductor

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
EK494.1,8	POWER SUPPLY CORD		2 of 5

4. ELECTRICAL PERFORMANCE

No.	ITEM	Test condition	Requirement
4-3	Insulation resistance test	In the air 20^0C~60^0C DC 500V	5MΩ MIN
4-4	Conductor resistance test	In the air 20^0C~60^0C	25.1Ω/ km MAX

5.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
5-1	Tensile strength (initial sample)	insulation	15LBS/2min
5-2	Deformation test	Exposure to 120±3^{0}C atmosphere for 0.5H Weight 510g	The thickness of sample shall not decrease more than 50%
5-3	Accelerated Aging test	Exposure to 75±2℃, atmosphere for 168 hours under natural ventilation.	No crack mucus mark wire exposure short and oppositive polarity.

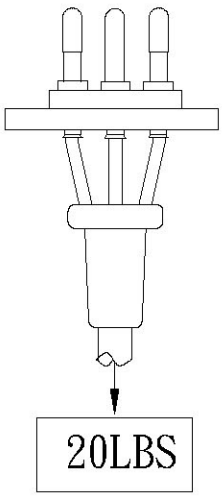
SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
EK494.1,8	POWER SUPPLY CORD		3 of 5

5. MECHANICAL PERFORMANCE (CODE)

NO.	Item	Test condition	Requirement
5-4	Input & output Force to connector	It is tested after taking the action of 10time input & output.	Applied force is 1~6kg

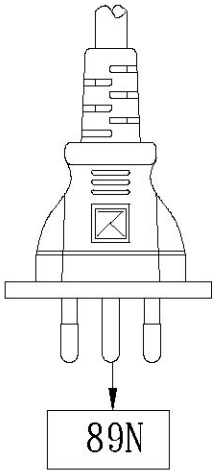
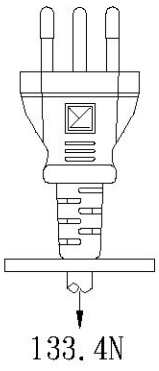
6. MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-1	Pulling out force of conductor	The connector between blade terminal and conductor shall not break under a pull force of 20lbs for 1minute 	Blade can not fall down

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
EK494.1,8	POWER SUPPLY CORD		4 of 5

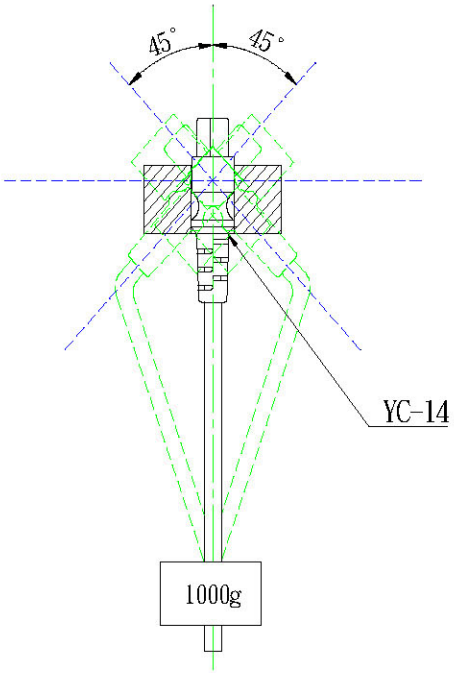
6.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-2	Pulling out force of blades	The attachment plug is supported on a horizontal steel plate with the blades down ward through a hole sufficiently large just to permit the blades to pass through it a weight than exert 89N force for two minutes is to be supported by each blade in succession. 	The residual displacement of either blade must not more than 2.4mm after 2 minutes of load.
6-3	Pulling out force of cord	The joint in flexible cord is to be securely support-rated by a rigid flat mounted horizontally, a pull of 133.4N weight for one minute to the flexible cord 	No looseness

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
EK494.1,8	POWER SUPPLY CORD		5 of 5

6.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-4	Bending force	The power supply cord division is fixing and load of 1000g is added to a tip of a cable. It is made to do 10000times bending on right and left each 45^0 (bending speed 60 times/minute) 	Breaking rate is under 30%

SPECIFICATION

EK494.1,8		PVC FLEXIBLE CORDS	Document No
Edition	Size	**H05VV-F 3G 0.75mm^2**	Page
A			1/2

1. Standard: IEC 227
2. Construction & Dimension

Item		Specification
Conductor	Size	3G 0.75mm^2
	Material	Annealed Bare Copper
	Construction	24/ ∮ 0.20+0/-0.005
Insulation	Material	PVC
	Minimum Average Thickness	0.60mm
	Minimum Thickness at any point	0.44mm
	Diameter	2.35 ± 0.10
	Identification	Blue,Brown,Yellow/Green
Core Assembly	Core Twist	3-Core
	Filler	NA
	Assembly Pair	NA
Taping	Mylar Foil	NA
Shielded	A1-Mylar Foil	NA
Drain	Material	NA
	Construction	NA
Jacket	Material	NA
	Minimum Average Thickness	0.8mm
	Minimum Thickness at any point	0.58mm
	Overall Diameter(Approx)	6.7 ± 0.15
	Color	Any Color

Marking:

YUNG LI H05VV-F 3G 0.75mm^2 ◁VDE▷ NF-USE 1347 Ⓝ KEMA-KEUR △CEBEC ◁ÖVE▷ Ⓓ Ⓕ Ⓝ

Ⓢ Ⓢ IEMMEQU Q04083 CCC A004049 227 IEC 53 RVV 300/500V Ⓚ KTL SU01027-4002

SPECIFICATION

EK494.1,8	Style	PVC FLEXIBLE CORDS	Document No
Edition		**H05VV-F 3G 0.75mm^2**	Page
A	Size		2/2

4.Electrical & Physical Properties			
Item			Specification
Rating Voltage			70℃ 300/500V
Insulation Resistance			0.011MΩ/Km 70℃ Min
Dielectric Strength			AC 2.0 KV / 5 min No Brcak
Spark Test			6KV
Insulation	Unaged	Tensile Strength	1.25Mpa Min 1.28kgf/mm^2
		Elongation	150% Min
	Aged	Tensile Strength	Min 75% (80℃x168hrs)
		Elongation	Min 65% (80℃x168hrs)
	Loss of mass Test		2.0mg/cm^2 (max)
Jacket	Unaged	Tensile Strength	1.25Mpa Min(1.02kgf/mm^2)
		Elongation	150% Min
	Aged	Tensile Strength	Min 75% (80℃x168hrs)
		Elongation	Min 65% (80℃x168hrs)
	Loss of mass Test		2.0mg/cm^2 (max)
Deformation Test			150mm, 70±2℃ X 1hr ≦ 50%
Cold Bend Test			-15℃ x 4hr No Crack
Heat Shock Test			150±2℃ x 1hr No Crack

Graph: