

TITLE PRODUCT SYMBOL	FEP insulated cable 30/0.05 () P FEP13-SV(U) K-M	Enactment class	Engineering Dept	
		Date of issue	January. 8. 2015	
NOTE	():Pair Number	Manager	Checked	Designed
		K. Takagi Jan. 8. 2015	Y. Kagaya Jan. 8. 2015	M. Tsukada Jan. 8. 2015

1. Application

This specification stipulates FEP insulated cable(UL Style 20276).

A Use : indoor moving part.

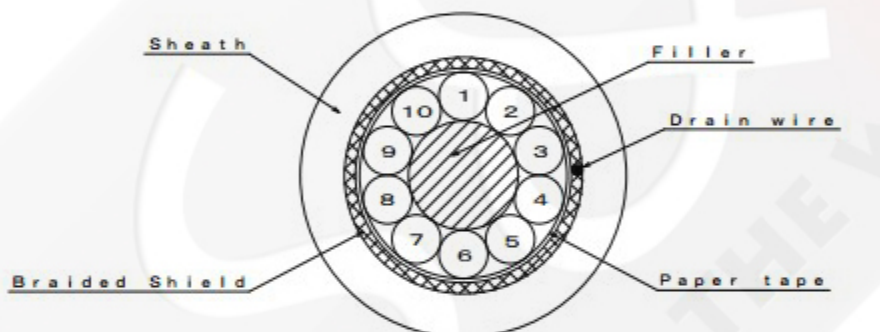
Rating : 80°C, 30V

2. Cable Structure

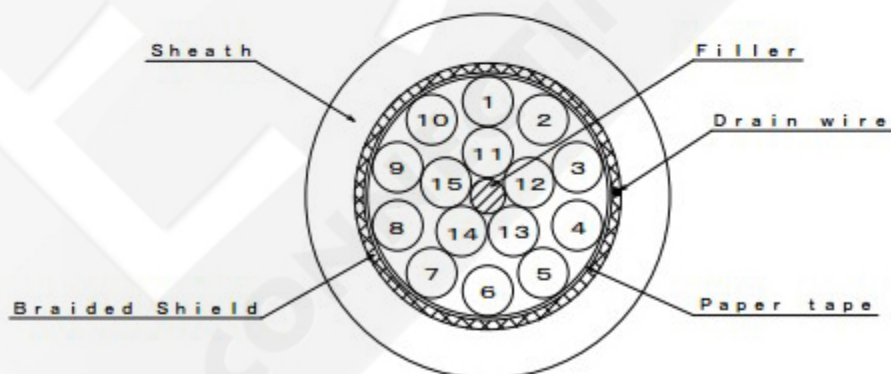
ITEM		SPECIFICATION		
Pair Number		10P	15P	
Conductor	Type	Tinned annealed copper wire		
	Construction pcs/mm	30/0.05		
	Diameter mm	Nominal 0.32		
Insulation	Type	FEP		
	Color	Blue, Yellow, Green, Red, Violet, White, Brown, Black, Gray, Orange		
	Thickness mm	Nominal 0.13		
	Diameter mm	Nominal 0.58		
Twisting	Structure	Attached table-1		
Assemble	Construction	Fig.1		
	Taping	Paper Tape		
Braided Shield	Type	Tinsel wire		
	Drain wire	Type	Tinned annealed copper wire	
		Construction pcs/mm	19/0.08	
Sheath	Type	PVC (Heat resistance ,Oil resistance)		
	Color	Mat Black		
	Thickness mm	Nominal 0.9		
	Diameter mm	Nominal 7.7	Nominal 8.2	
	Marking	AWM 20276 80C 30V VW-1		
Finished Product	Nominal length m	100		
	Short Length	Every 1m above 10m.		
	Packing	Bundle		
Cable Cross Section		To see Fig. 1		

Attached table-1 Structure

Number of pairs	Insulator color		Number of pairs	Insulator color	
	First line	Second line		First line	Second line
1	Blue	White	11	Blue	Black
2	Yellow	Brown	12	Yellow	Gray
3	Green	Black	13	Green	Orange
4	Red	Gray	14	Red	White
5	Violet	Orange	15	Violet	Brown
6	Blue	Brown			
7	Yellow	Black			
8	Green	Gray			
9	Red	Orange			
10	Violet	White			



10P



15P

Number : Pair Number

Fig. 1 Cable Construction

3. Performance

Electrical performance	Conductor resistance	Less than 325
	Insulation resistance	More than 1
	Dielectric strength	More than AC 500
U L	UL performance	Conform on UL 20276 (80°C 30V)
	Flame test	VW-1

4. Validity

This specification makes 1 year effective from a drawing presentation day. However, when there is not a proposal from a customer or our company by 3 months front of period expiration, it decides to be extended 1 year in addition. It is done same afterward.

5. Conformity over regulation

This product suits RoHS regulation.