

Products

ORV Cable Series (UL20276)

Specifications

UL STYLE	20276 (Ratings: 80degrees 30V)
Insulation material	Heat resistant PVC
Insulation identification Sheath material(sheath color)	Dot mark identification (Appendix Table 1 and Appendix Table 2) Oil resistant PVC(Black)

Construction

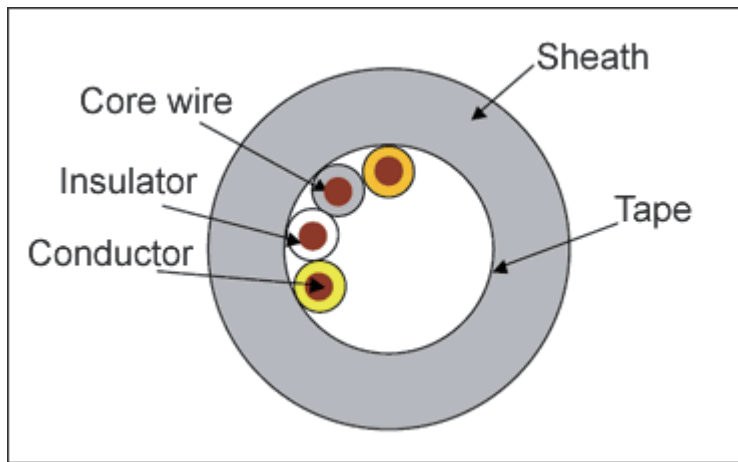
- ORV-C cable

AWG	cross-sectional area SQ SQ	Number of pairs	Insulation		Conductor		Sheath	Conductor resistance O/km (20degrees)	Insulation resistance MO-km (20degrees)	Voltage withstand Between V and 1
			Configuration Core wires/mm	O.D. Standard mm	Thickness Standard mm	O.D. Standard mm	O.D. Standard mm			
24	0.25	2	48/0.08	0.7	0.3	1.3	4.6	98 max	10min	A.C500
		3					4.9			
		4					5.3			
		5					5.9			
		6					6.3			
		8					7.2			
		10					7.8			
		12					7.8			
		16					8.6			
		20					9.7			
		30					11.2			
		40					12.8			
		22					0.35			
3	5.2									
4	5.6									
5	6.4									
6	6.8									
8	7.9									
10	8.5									
12	8.6									
16	9.4									
20	10.5									
30	12.2									
40	14.4									

AWG	cross-sectional area SQ SQ	Number of pairs	Insulation		Conductor		Sheath	Conductor resistance O/km (20degrees)	Insulation resistance MO-km (20degrees)	Voltage withstand Between V and 1
			Configuration Core wires/mm	O.D. Standard mm	Thickness Standard mm	O.D. Standard mm	O.D. Standard mm			
20	0.59	2	119/0.08	1.2	0.3	1.8	5.6	40 max	10 min	A.C500
		3					5.9			
		4					6.3			
		5					7.2			
		6					7.7			
		8					9.0			
		10					9.9			
		12					9.9			
		16					10.9			
		20					12.4			

We can also manufacture cables with numbers of core wires other than those indicated above, so please make inquiries.

Cross-sectional diagram and construction

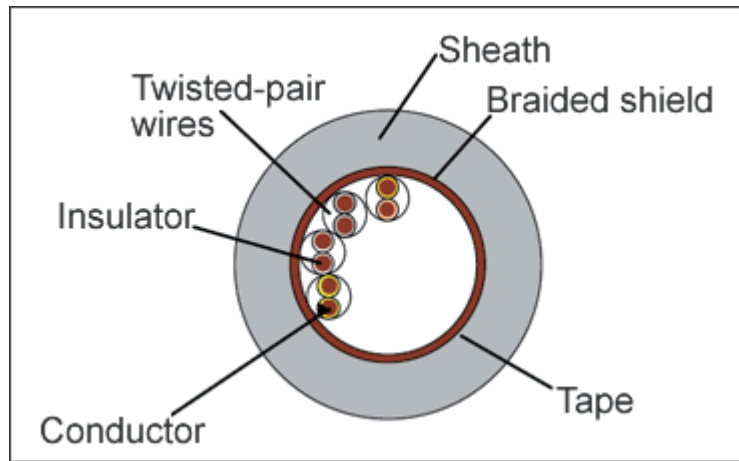


CRV-P cable(S)

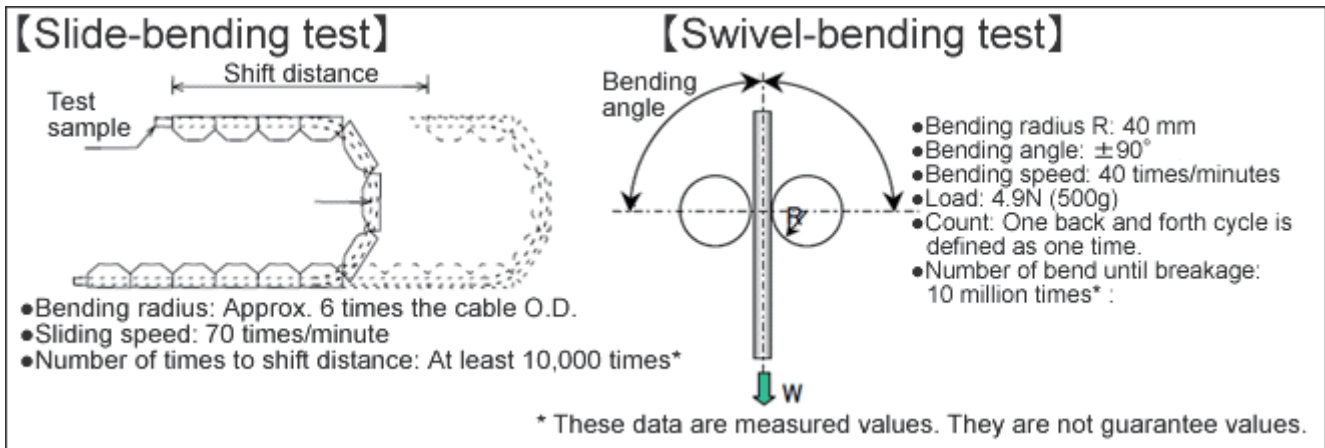
AWG	cross-sectional area SQ SQ	Number of pairs	Insulation		Conductor		Sheath	Conductor resistance O/km (20degrees)	Insulation resistance MO-km (20degrees)	Voltage withstand Between V and 1
			Configuration Core wires/mm	O.D. Standard mm	Thickness Standard mm	O.D. Standard mm	O.D. Standard mm			
24	0.25	1	48/0.08	0.7	0.3	1.3	5.3	98 max	10 min	A.C500
		2					6.4			
		3					7.3			
		4					7.9			
		5					8.9			
		6					9.5			
		7					10.1			
		8					11.1			
		10					11.1			
		22					0.35			
2	6.8									
3	8.1									
4	8.7									
5	9.4									
20	0.59	1	119/0.08	1.2	0.3	1.8	6.3	40 max	10 min	A.C500
		2					7.7			

We can also manufacture cables with numbers of core wires other than those indicated above, so please make inquiries.

Cross-sectional diagram and construction



Bending performance



Method of indicating item name

ORV-C cable	ORV-AWQ (①)×(②) C (20276)
ORV-P(S) cable	ORV-AWG (①)×(②) P(S) (20276)

Indicate the AWG size in (①), and the number of twisted-pair core wires in (②).

The standard length is 100m for between 1 and 4 twisted-pair core wires, and is 50m for 5 or more twisted-pair core wires.

Core wire color identification

▪ (Appendix Table 1) ORV-C cable core wire configuration table

Twisted-pair wire No..	Insulation color	1pitch dotmark	Dotmark color	Twisted-pair wire No..	Insulation color	1pitch dotmark	Dotmark color
1	Orange	—	Red	21	Orange	— — —	Red
2	Orange	—	Black	22	Orange	— — —	Black
3	Gray	—	Red	23	Gray	— — —	Red
4	Gray	—	Black	24	Gray	— — —	Black
5	White	—	Red	25	White	— — —	Red
6	White	—	Black	26	White	— — —	Black
7	Yellow	—	Red	27	Yellow	— — —	Red
8	Yellow	—	Black	28	Yellow	— — —	Black

Twisted-pair wire No..	Insulation color	1pitch dotmark	Dotmark color	Twisted-pair wire No..	Insulation color	1pitch dotmark	Dotmark color
9	Pink	—	Red	29	Pink	— — —	Red
10	Pink	— —	Black	30	Pink	— — — —	Black
11	Orange	— —	Red	31	Orange	— — — —	Red
12	Orange	— —	Black	32	Orange	— — — —	Black
13	Gray	— —	Red	33	Gray	— — — —	Red
14	Gray	— —	Black	34	Gray	— — — —	Black
15	White	— —	Red	35	White	— — — —	Red
16	White	— —	Black	36	White	— — — —	Black
17	Yellow	— —	Red	37	Yellow	— — — —	Red
18	Yellow	— —	Black	38	Yellow	— — — —	Black
19	Pink	— —	Red	39	Pink	— — — —	Red
20	Pink	— —	Black	40	Pink	— — — —	Black

▪ (Appendix Table 2) ORV-P cable (S) Twisted-pair wire Configuration table

Twisted-pair wire No..	Insulation color	1pitch dotmark	Dotmark color	
			1st type of core wire	2nd type of core wire
1	Orange	—	Red	Black
2	Gray	—	Red	Black
3	White	—	Red	Black
4	Yellow	—	Red	Black
5	Pink	—	Red	Black
6	Orange	— —	Red	Black
7	Gray	— —	Red	Black
8	White	— —	Red	Black
9	Yellow	— —	Red	Black
10	Pink	— —	Red	Black