

# HRV I 6-SV

7/0.1 mm, 5 to 50pr, Collective shielded, PVC Sheath

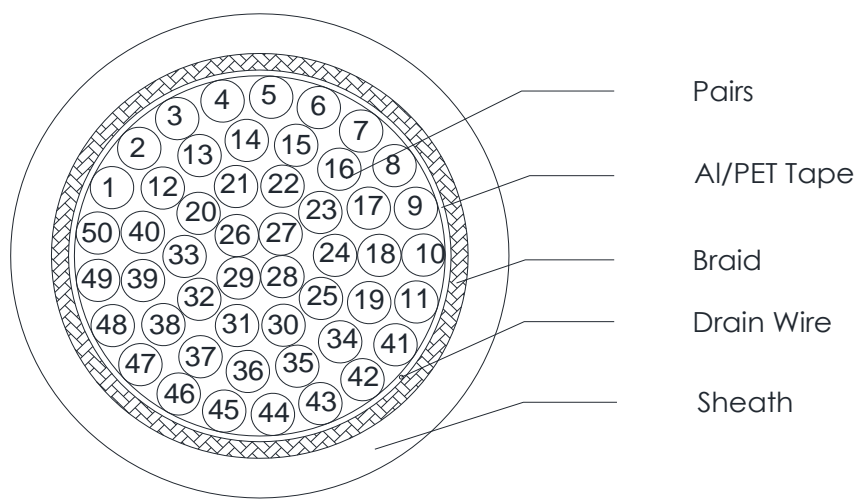


C4443 to C4455

## Applications

This specification stipulates heat resistance PVC insulated cable.

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Flexible Tinned Copper Wire
Insulation	Heat Resistance PVC
Twist	Two wires twisted together
Screen tape	Al/Polyester Tape
Drain Wire	Tinned Copper Wire
Braiding	Tinned Copper Wire
Sheath	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
Standard Put Up Length	305 meters

\* Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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## C4443 to C4455

### Physical Characteristics

Part Number	C4443	C4444	C4445	C4446	C4447	C4448	C4449
No. of Pairs	5	8	10	13	15	17	20
Nom. Conductor Diameter (mm)	7×0.1						
Nom. Insulation Diameter (mm)	0.62						
Nom. Drain Wire size (mm)	10×0.12						
Nom. Assemble Diameter (mm)	2.8	3.7	4.0	4.4	4.6	4.9	5.3
Nom. Shield Diameter (mm)	3.1	3.9	4.3	4.6	4.8	5.1	5.5
Nom. Overall Diameter(mm)	5.4	6.2	6.6	6.9	7.1	7.4	7.8
Operating Temperature (°C)	-0 to +80						
Min. Bend Radius (install)(mm)	54	62	66	69	71	74	78

Part Number	C4450	C4451	C4452	C4453	C4454	C4455
No. of Pairs	25	30	32	34	40	50
Nom. Conductor Diameter (mm)	7×0.1					
Nom. Insulation Diameter (mm)	0.62					
Nom. Drain Wire size (mm)	10×0.12					
Nom. Assemble Diameter (mm)	6.0	6.3	6.4	6.8	7.7	8.1
Nom. Shield Diameter (mm)	6.2	6.5	6.6	7.0	7.9	8.3
Nom. Overall Diameter(mm)	8.3	8.8	8.9	9.3	10.2	10.4
Operating Temperature (°C)	-0 to +80					
Min. Bend Radius (install)(mm)	83	88	89	93	102	104

### Electrical Characteristics at 20°C

Max. Conductor Resistance (Ω/km)	Min. Insulation resistance in water at 500V for 1minute (MΩ*km)	Min. Dielectric strength AC for 1Min.
362	1	500

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### Colour Code

Pair	Insulation Colour	Marking Color		Pair	Insulation Colour	Marking Color	
		First Line	Second Line			First Line	Second Line
1	Orange	Red	Black	26	Orange	Red	Black
2	Gray	Red	Black	27	Gray	Red	Black
3	White	Red	Black	28	White	Red	Black
4	Yellow	Red	Black	29	Yellow	Red	Black
5	Pink	Red	Black	30	Pink	Red	Black
6	Orange	Red	Black	31	Orange	Red	Black
7	Gray	Red	Black	32	Gray	Red	Black
8	White	Red	Black	33	White	Red	Black
9	Yellow	Red	Black	34	Yellow	Red	Black
10	Pink	Red	Black	35	Pink	Red	Black
11	Orange	Red	Black	36	Orange	Red	Black
12	Gray	Red	Black	37	Gray	Red	Black
13	White	Red	Black	38	White	Red	Black
14	Yellow	Red	Black	39	Yellow	Red	Black
15	Pink	Red	Black	40	Pink	Red	Black
16	Orange	Red	Black	41	Orange	Red	Black
17	Gray	Red	Black	42	Gray	Red	Black
18	White	Red	Black	43	White	Red	Black
19	Yellow	Red	Black	44	Yellow	Red	Black
20	Pink	Red	Black	45	Pink	Red	Black
21	Orange	Red	Black	46	Orange	Red	Black
22	Gray	Red	Black	47	Gray	Red	Black
23	White	Red	Black	48	White	Red	Black
24	Yellow	Red	Black	49	Yellow	Red	Black
25	Pink	Red	Black	50	Pink	Red	Black

### Reference Standards

VW-1	(BS) EN 50290-2
IEC 60228	UL20276 (80°C 30V)
RoHS directives	