

V-90HT SC

High temperature PVC insulated cables



Info

- Single core, flexible hook-up wire
- UL Style 1015 and UL 10269
- Temperature up to 105°C

Benefits

- The light weight and the practical hand holes in the spool packaging makes handling easy

Application range

- Suitable for assembling cable harnesses and wiring in the switch cabinet installation
- Used for installations in plants, devices, switch gear cabinets, where high temperature occur

Product features

- Flame retardant in acc. to VW -1, and IEC 60332-1-2
- Wide temperature range up to 105°C

Product Make-up

- Fine strands of tinned annealed copper wire
- High temperature PVC based core insulation

Technical data

Classification
 ETIM 5.0 Class-Description: Single core cable
 ETIM 5.0 Class-ID: EC000993

Conductor stranding
 Fine wire acc. to VDE 0295 Cl.5 / IEC 60228 Cl.5

Minimum bending radius
 Fixed installation: 3 x cable diameter

Nominal voltage
 U₀/U: 600/1000 V

Temperature range
 -20°C to +105°C

Conductor Cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	green/yellow	black	blue	brown	red	white	grey
0.5	2.5	4.8	11	3801000	3801001	3801002	3801003	3801004	3801005	3801006
0.75	2.7	7.2	14	3801010	3801011	3801012	3801013	3801014	3801015	3801016
1.0	2.9	9.6	17	3801020	3801021	3801022	3801023	3801024	3801025	3801026
1.5	3.2	14.4	23	3801030	3801031	3801032	3801033	3801034	3801035	3801036
2.5	3.7	24.0	34	3801040	3801041	3801042	3801043	3801044	3801045	3801046
4	4.3	38.4	54	3801050	3801051	3801052	3801053	3801054	3801055	3801056
6	4.9	57.6	88	3801060	3801061	3801062	3801063	3801064	3801065	3801066
10	6.5	96.0	138	3801070	3801071	3801072	3801073	3801074	3801075	3801076
16	8.4	153.6	231	3801080	3801081	3801082	3801083	3801084	3801085	3801086
25	10.2	240.0	305	3802410	3802411	3802412	3802413	3802414	3802415	3802416
35	12.4	336.0	437	3802420	3802421	3802422	3802423	3802424	3802425	3802426
50	13.9	480.0	588	3802430	3802431	3802432	3802433	3802434	3802435	3802436
70	16.0	672.0	790	3802440	3802441	3802442	3802443	3802444	3802445	3802446
95	18.0	912.0	1051	3802450	3802451	3802452	3802453	3802454	3802455	3802456
120	20.5	1152.0	1330	3802460	3802461	3802462	3802463	3802464	3802465	3802466
150	22.2	1440.0	1628	3802470	3802471	3802472	3802473	3802474	3802475	3802476
185	24.2	1776.0	1984	3802480	3802481	3802482	3802483	3802484	3802485	3802486
240	29.5	2304.0	2514	3802490	3802491	3802492	3802493	3802494	3802495	3802496

Conductor Cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	violet	pink	orange	yellow	green	dark blue
0.5	2.5	4.8	11	3801007	3801008	3801009	38010011	38010012	38010014
0.75	2.7	7.2	14	3801017	3801018	3801019	38010111	3801362	38010114
1.0	2.9	9.6	17	3801027	3801028	3801029	38010211	38010212	38010214
1.5	3.2	14.4	23	3801037	3801038	3801039	38010311	38010312	38010314
2.5	3.7	24.0	34	3801047	3801048	3801049	38010411	38010412	38010414
4	4.3	38.4	54	3801057	3801058	3801059	38010511	38010512	38010514
6	4.9	57.6	88	3801067	3801068	3801069	38010611	38010612	38010614
10	6.5	96.0	138	3801077	3801078	3801079	38010711	38010712	38010714
16	8.4	153.6	231	3801087	3801088	3801089	38010811	38010812	38010814
25	10.2	240.0	305	3802417	3802418	3802419	38024111	38024112	38024114
35	12.4	336.0	437	3802427	3802428	3802429	38024211	38024212	38024214
50	13.9	480.0	588	3802437	3802438	3802439	38024311	38024312	38024314
70	16.0	672.0	790	3802447	3802448	3802449	38024411	38024412	38024414
95	18.0	912.0	1051	3802457	3802458	3802459	38024511	38024512	38024514
120	20.5	1152.0	1330	3802467	3802468	3802469	38024611	38024612	38024614
150	22.2	1440.0	1628	3802477	3802478	3802479	38024711	38024712	38024714
185	24.2	1776.0	1984	3802487	3802488	3802489	38024811	38024812	38024814
240	29.5	2304.0	2514	3802497	3802498	3802499	38024911	38024912	38024914

- If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.
- Photographs are not to scale and do not represent detailed images of the respective products.