



**Cu/PVC/PVC
300/500V
NYM/H05VV-U/H05VV-R**

DESCRIPTION:

Light PVC Sheathed Cable for fixed wiring.

CABLE STRUCTURE:

Conductor:

Plain circular solid copper conductor,
conform to IEC 60228 class 1

Plain circular stranded copper conductor,
conform to IEC 60228 class 2

Insulation: PVC/C

Overall Sheath: PVC type ST4,

CODE DESIGNATION:

60227 IEC10 (International)

BVV, H05VV-U, 300/500V(China)

NYM

APPLICATION:

for fixed electrical installations, laying the cable
in wiring channels, as well as for electrical power
distribution in electricity supply networks.Used as
fixed wiring cable of rated voltage 300/500V.

TECHNICAL DATA:

Voltage Rating U₀/U: 300/500V

Test Voltage - AC: 2kV

Temperature Rating:

Flexible: -5°C to +70°C

Fixed: -40°C to +70°C

Minimum Bending Radius:

Single Core: 7.5 × overall diameter

Multicore: 4 x overall diameter

STANDARD:

International:

IEC 60227, EN 50525-2-11

European standard:

DIN VDE 0285, UNE 21031-4, HD 21.4S2,

IEC 60227-4, DIN VDE 0295, EN 60228,

IEC 227- 4 MOD, VDE 0250-204

Flame Retardant according to IEC/EN 60332-1-2

Indonesian Standard:

Conductor SNI IEC 60228/

PVC Insulation SNI 6629.1; SNI 04-6629.4

PVC Sheath Grade ST4 to SNI 04-6629.4. White colour

China:

GB/T5023-2008

Other standards

such as BS, DIN and ICEA upon request

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for
our product categories. Additionally, we possess
other authoritative certifications recognized in
various countries and regions. For further details
on our certification portfolio, please do not
hesitate to contact us.





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Specifications

Nom.Cross- section Area	Conductor Type	Insulation Thickness	Inner covering Thickness	Sheath Thickness	Approx.O.D		Insulation Min Resistance at 90°C	Max.D.C Resistance of Conductor (20°C)
					Lower Limit	Upper Limit		
mm ²		mm	mm	mm	mm	mm	MΩ/km	Ω/km
2×1.5	1	0.7	0.4	1.2	7.6	10.0	0.011	12.1
2×1.5	2	0.7	0.4	1.2	7.8	10.5	0.010	12.1
2×2.5	1	0.8	0.4	1.2	8.6	11.5	0.010	7.41
2×2.5	2	0.8	0.4	1.2	9.0	12.0	0.009	7.41
2×4	1	0.8	0.4	1.2	9.6	12.5	0.0085	4.61
2×4	2	0.8	0.4	1.2	10.0	13.0	0.0077	4.61
2×6	1	0.8	0.4	1.2	10.5	13.5	0.0070	3.08
2×6	2	0.8	0.4	1.2	11.0	14.0	0.0065	3.08
2×10	1	1.0	0.6	1.4	13.0	16.5	0.0070	1.83
2×10	2	1.0	0.6	1.4	13.5	17.5	0.0065	1.83
2×16	2	1	0.6	1.4	15.5	20	0.0052	1.150
2×25	2	1.2	0.8	1.4	18.5	24	0.0050	0.727
2×35	2	1.2	1	1.6	21	27.5	0.0044	0.524



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Nom.Cross- section Area	Conductor Type	Insulation Thickness	Inner covering Thickness	Sheath Thickness	Approx.O.D		Insulation Min Resistance at 90°C	Max.D.C Resistance of Conductor (20°C)
					Lower Limit	Upper Limit		
mm ²		mm	mm	mm	mm	mm	MΩ /km	Ω/km
3×1.5	1	0.7	0.4	1.2	8	10.5	0.0110	12.100
3×15	2	0.7	0.4	1.2	8.2	11	0.0100	12.100
3×2.5	1	0.8	0.4	1.2	9.2	12	0.0100	7.410
3×2.5	2	0.8	0.4	1.2	9.4	12.5	0.0090	7.410
3×4	1	0.8	0.4	1.2	9.6	13	0.0085	4.610
3×4	2	0.8	0.4	1.2	10	13.5	0.0077	4.610
3×6	1	0.8	0.4	1.2	10.5	14.5	0.0070	3.080
3×6	2	0.8	0.4	1.2	11.5	15.5	0.0065	3.080
3×10	1	1	0.6	1.4	12	17.5	0.0070	1.830
3×10	2	1	0.6	1.4	14	19	0.0065	1.830
3×16	2	1	0.6	1.4	16.5	21.5	0.0052	1.150
3×25	2	1.2	0.8	1.4	20.5	26	0.0050	0.727
3×35	2	1.2	1	1.6	22	29	0.0044	0.524
4×1.5	1	0.7	0.4	1.2	8.6	11.5	0.0110	12.100
4×1.5	2	0.7	0.4	1.2	9	12	0.0100	12.100
4×2.5	1	0.8	0.4	1.2	10	13	0.0100	7.410
4×2.5	2	0.8	0.4	1.2	10	13.5	0.0090	7.410
4×4	1	0.8	0.4	1.4	11.5	14.5	0.0085	4.610
4×4	2	0.8	0.4	1.4	12	15	0.0077	4.610
4×6	1	0.8	0.6	1.4	12.5	16	0.0070	3.080
4×6	2	0.8	0.6	1.4	13	17	0.0065	3.080
4×10	1	1	0.6	1.4	15.5	19	0.0070	1.830
4×10	2	1	0.6	1.4	16	20.5	0.0065	1.830
4×16	2	1	0.8	1.4	18	23.5	0.0052	1.150
4×25	2	1.2	1	1.6	22.5	28.5	0.0050	0.727
4×35	2	1.2	1	1.6	24.5	32	0.0044	0.524
5×1.5	1	0.7	0.4	1.2	9.4	12	0.0110	12.100
5×1.5	2	0.7	0.4	1.2	9.8	12.5	0.0100	12.100
5×2.5	1	0.8	0.4	1.2	11	14	0.0100	7.410
5×2.5	2	0.8	0.4	1.2	11	14.5	0.0090	7.410
5×4	1	0.8	0.6	1.4	12.5	16	0.0085	4.610
5×4	2	0.8	0.6	1.4	13	17	0.0077	4.610
5×6	1	0.8	0.6	1.4	13.5	17.5	0.0070	3.080
5×6	2	0.8	0.6	1.4	14.5	18.5	0.0065	3.080
5×10	1	1	0.6	1.4	17	21	0.0070	1.830