

NOBURN Plus Enhanced 120 Fire Performance Cable

Standards:

BS 5839-1 Clause 26.2e, BS 7629-1 Enhanced 120, BS 8434-2 +A2 120 minutes, BS EN 60754-1, BS EN 61034-2 +A1, BS EN 60332-3-24 & -3-25, BS EN 50200 PH30, PH60 & PH120, BS 6387 CWZ. Also suitable for: BS 5266-1, BS 5839-8, BS 5839-9, IS 3217, IS 3218.



Cert/LPCB ref. 682a/01



Licence No: 152/001

Construction:

- | | |
|---|---|
| <ul style="list-style-type: none"> 1 Solid Copper Conductor Cores (4.0 mm² Stranded) 2 Enhanced Fire Resistant Low Smoke Zero Halogen, Eze-Prep[®] Silicone Insulation 3 Tinned Solid Copper CPC Circuit Protection Conductor (Earth Wire) (4.0 mm² Stranded) | <ul style="list-style-type: none"> 4 Polyester Backed Co polymer Copper Foil bonded to the Outer Sheath 5 Flame Retardant Low Smoke Zero Halogen, Thermoplastic, Outer Sheath |
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Application:

NOBURN Plus Enhanced 120 fire cable is designed for use in all types of buildings where risk assesment of fire alarm, emergency lighting and voice evacuation systems may be required to operate for an extended period. NOBURN Plus Enhanced 120 is certified by LPCB & BASEC to fully meet the requirements of BS 7629-1 Enhanced 120 and by BS 5839 Clause 26e for fire cables used with UK fire systems. Available in a variety of multiple core combinations and sheath colours all with CPC.

Properties:

Working voltage core to Core	500 V	Recomended metal clip spacing	300mm Horizontal 400mm Vertical
Working voltage core to CPC	300 V	CE conformity	Yes
Minimun Bend Radius	6 x Diameter	RoHS/REACH	Yes
Minimum/Maximum operating temperature*	40°C to +90°C	Warranty	10 years from date of manufacture
Minimum/Maximum installati-on temperature	0°C to +70°C		

*The cable should not be flexed or bent when either the cable or operating temperature is below the recommended minimum or above the maximum recommended installation temperatures.

For installation exposed to UV, we recommend the use of white or black sheathed cables which by nature are more UV resistant. Red and orange sheathed cables are more subject to UV fading effect.

Technical data:

Product code/ Article no.	EAN-nr	Co- lour	No. of cores & CPC	Core Cross Section nominal		Pallet	Con- ductor Class	CPC Cross Section Nominal	Insu- lation Diameter	Overall Cable Diameter	Cable mass approx.
				mm ²	m						
VNP-215ERD	5060105233333	Red	2 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	7,9	8,89
VNP-315ERD	5060105233340	Red	3 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	8,8	12,1
VNP-415ERD	5060105233357	Red	4 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	9,6	14,28
VNP-215EWT	5060105233456	White	2 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	7,9	8,89
VNP-315EWT	5060105233463	White	3 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	8,8	12,1
VNP-415EWT	5060105233470	White	4 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	9,6	14,28
VNP-215EBK	5060105233579	Black	2 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	7,9	8,89
VNP-315EBK	5060105233586	Black	3 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	8,8	12,1
VNP-415EBK	5060105233593	Black	4 Core & CPC	1,50	100	60	Solid	1/1.365	2,85	9,6	14,28
VNP-215ERD200M	5060105233692	Red	2 Core & CPC	1,50	200	36	Solid	1/1.365	2,85	7,9	8,89
VNP-315ERD200M	5060105233708	Red	3 Core & CPC	1,50	200	27	Solid	1/1.365	2,85	8,8	12,1
VNP-415ERD200M	5060105233715	Red	4 Core & CPC	1,50	200	27	Solid	1/1.365	2,85	9,6	14,28
VNP-215EWT200M	5060105233814	White	2 Core & CPC	1,50	200	36	Solid	1/1.365	2,85	7,9	8,89
VNP-315EWT200M	5060105233821	White	3 Core & CPC	1,50	200	27	Solid	1/1.365	2,85	8,8	12,1
VNP-415EWT200M	5060105233838	White	4 Core & CPC	1,50	200	27	Solid	1/1.365	2,85	9,6	14,28
VNP-215ERD500M	5060105233937	Red	2 Core & CPC	1,50	500	18	Solid	1/1.365	2,85	7,9	8,89
VNP-315ERD500M	5060105233944	Red	3 Core & CPC	1,50	500	12	Solid	1/1.365	2,85	8,8	12,1
VNP-415ERD500M	5060105233951	Red	4 Core & CPC	1,50	500	12	Solid	1/1.365	2,85	9,6	14,28
VNP-215EWT500M	5060105234057	White	2 Core & CPC	1,50	500	18	Solid	1/1.365	2,85	7,9	8,89
VNP-315EWT500M	5060105234064	White	3 Core & CPC	1,50	500	12	Solid	1/1.365	2,85	8,8	12,1
VNP-415EWT500M	5060105234071	White	4 Core & CPC	1,50	500	12	Solid	1/1.365	2,85	9,6	14,28
VNP-225ERD	5060105233364	Red	2 Core & CPC	2,50	100	60	Solid	1/1.75	3,4	9,2	13
VNP-325ERD	5060105233371	Red	3 Core & CPC	2,50	100	60	Solid	1/1.75	3,4	9,85	16,37
VNP-425ERD	5060105233388	Red	4 Core & CPC	2,50	100	36	Solid	1/1.75	3,4	11,8	22,31
VNP-225EWT	5060105233487	White	2 Core & CPC	2,50	100	60	Solid	1/1.75	3,4	9,2	13
VNP-325EWT	5060105233494	White	3 Core & CPC	2,50	100	60	Solid	1/1.75	3,4	9,85	16,37
VNP-425EWT	5060105233500	White	4 Core & CPC	2,50	100	36	Solid	1/1.75	3,4	11,8	22,31
VNP-225EBK	5060105233579	Black	2 Core & CPC	2,50	100	60	Solid	1/1.75	3,4	9,2	13
VNP-325EBK	5060105233586	Black	3 Core & CPC	2,50	100	60	Solid	1/1.75	3,4	9,85	16,37
VNP-425EBK	5060105233593	Black	4 Core & CPC	2,50	100	36	Solid	1/1.75	3,4	11,8	22,31
VNP-225ERD200M	5060105233722	Red	2 Core & CPC	2,50	200	27	Solid	1/1.75	3,4	9,2	13
VNP-325ERD200M	5060105233739	Red	3 Core & CPC	2,50	200	27	Solid	1/1.75	3,4	9,85	16,37

Technical data:

Product code/ Article no.	EAN-nr	Co- lour	No. of cores & CPC	Core Cross Section nominal		Pal- let	Con- ductor Class	CPC Cross Section Nominal	Insu- lation Diameter	Overall Cable Diameter	Cable mass approx.
				mm ²	m						
VNP-425ERD200M	5060105233746	Red	4 Core & CPC	2,50	200	27	Solid	1/1.75	3,4	11,8	22,31
VNP-225EWT200M	5060105233845	White	2 Core & CPC	2,50	200	27	Solid	1/1.75	3,4	9,2	13
VNP-325EWT200M	5060105233852	White	3 Core & CPC	2,50	200	27	Solid	1/1.75	3,4	9,85	16,37
VNP-425EWT200M	5060105233869	White	4 Core & CPC	2,50	200	27	Solid	1/1.75	3,4	11,8	22,31
VNP-225ERD500M	5060105233968	Red	2 Core & CPC	2,50	500	12	Solid	1/1.75	3,4	9,2	13
VNP-325ERD500M	5060105233975	Red	3 Core & CPC	2,50	500	12	Solid	1/1.75	3,4	9,85	16,37
VNP-425ERD500M	5060105233982	Red	4 Core & CPC	2,50	500	12	Solid	1/1.75	3,4	11,8	22,31
VNP-225EWT500M	5060105234088	White	2 Core & CPC	2,50	500	12	Solid	1/1.75	3,4	9,2	13
VNP-325EWT500M	5060105234095	White	3 Core & CPC	2,50	500	12	Solid	1/1.75	3,4	9,85	16,37
VNP-425EWT500M	5060105234101	White	4 Core & CPC	2,50	500	12	Solid	1/1.75	3,4	11,8	22,31
VNP-S240ERD	5060105233395	Red	2 Core & CPC	4,00	100	36	Stranded	7/0.85	4,35	11,2	19,71
VNP-S340ERD	5060105233401	Red	3 Core & CPC	4,00	100	27	Stranded	7/0.85	4,35	13	27,28
VNP-S440ERD	5060105233418	Red	4 Core & CPC	4,00	100	27	Stranded	7/0.85	4,35	14,4	33,69
VNP-S240EWT	5060105233517	White	2 Core & CPC	4,00	100	36	Stranded	7/0.85	4,35	11,2	19,71
VNP-S340EWT	5060105233524	White	3 Core & CPC	4,00	100	27	Stranded	7/0.85	4,35	13	27,28
VNP-S440EWT	5060105233531	White	4 Core & CPC	4,00	100	27	Stranded	7/0.85	4,35	14,4	33,69
VNP-S240EBK	5060105233630	Black	2 Core & CPC	4,00	100	36	Stranded	7/0.85	4,35	11,2	19,71
VNP-S340EBK	5060105233647	Black	3 Core & CPC	4,00	100	27	Stranded	7/0.85	4,35	13	27,28
VNP-S440EBK	5060105233654	Black	4 Core & CPC	4,00	100	27	Stranded	7/0.85	4,35	14,4	33,69
VNP-S240ERD200M	5060105233753	Red	2 Core & CPC	4,00	200	-	Stranded	7/0.85	4,35	11,2	19,71
VNP-S340ERD200M	5060105233760	Red	3 Core & CPC	4,00	200	-	Stranded	7/0.85	4,35	13	27,28
VNP-S440ERD200M	5060105233777	Red	4 Core & CPC	4,00	200	-	Stranded	7/0.85	4,35	14,4	33,69
VNP-S240EWT200M	5060105233876	White	2 Core & CPC	4,00	200	-	Stranded	7/0.85	4,35	11,2	19,71
VNP-S340EWT200M	5060105233883	White	3 Core & CPC	4,00	200	-	Stranded	7/0.85	4,35	13	27,28
VNP-S440EWT200M	5060105233890	White	4 Core & CPC	4,00	200	-	Stranded	7/0.85	4,35	14,4	33,69
VNP-S240ERD500M	5060105233999	Red	2 Core & CPC	4,00	500	-	Stranded	7/0.85	4,35	11,2	19,71
VNP-S340ERD500M	5060105234002	Red	3 Core & CPC	4,00	500	-	Stranded	7/0.85	4,35	13	27,28
VNP-S440ERD500M	5060105234019	Red	4 Core & CPC	4,00	500	-	Stranded	7/0.85	4,35	14,4	33,69
VNP-S240EWT500M	5060105234118	White	2 Core & CPC	4,00	500	-	Stranded	7/0.85	4,35	11,2	19,71
VNP-S340EWT500M	5060105234125	White	3 Core & CPC	4,00	500	-	Stranded	7/0.85	4,35	13	27,28
VNP-S440EWT500M	5060105234132	White	4 Core & CPC	4,00	500	-	Stranded	7/0.85	4,35	14,4	33,69

Technical data:

Product code/ Article no.	Resistance	Voltage Drop (DC or Single Phase AC)	Current Rating (DC or Single Phase AC). Current Ratings listed are at 30°C Refer to BS7671/EE Wiring Regulations for de-rating factor.	
	Ohms/1 Km	Ohms mV/A/m	Cable clipped (A) Ref C	Enclosed (A) Ref B
VNP-215ERD	12,1	29	19,5	16,5
VNP-315ERD	12,1	29	17,5	15
VNP-415ERD	12,1	29	17,5	15
VNP-215EWT	12,1	29	19,5	16,5
VNP-315EWT	12,1	29	17,5	15
VNP-415EWT	12,1	29	17,5	15
VNP-215EBK	12,1	29	19,5	16,5
VNP-315EBK	12,1	29	17,5	15
VNP-415EBK	12,1	29	17,5	15
VNP-215ERD200M	12,1	29	19,5	16,5
VNP-315ERD200M	12,1	29	17,5	15
VNP-415ERD200M	12,1	29	17,5	15
VNP-215EWT200M	12,1	29	19,5	16,5
VNP-315EWT200M	12,1	29	17,5	15
VNP-415EWT200M	12,1	29	17,5	15
VNP-215ERD500M	12,1	29	19,5	16,5
VNP-315ERD500M	12,1	29	17,5	15
VNP-415ERD500M	12,1	29	17,5	15
VNP-215EWT500M	12,1	29	19,5	16,5
VNP-315EWT500M	12,1	29	17,5	15
VNP-415EWT500M	12,1	29	17,5	15
VNP-225ERD	7,41	18	27	23
VNP-325ERD	7,41	18	24	20
VNP-425ERD	7,41	18	24	20
VNP-225EWT	7,41	18	27	23
VNP-325EWT	7,41	18	24	20
VNP-425EWT	7,41	18	24	20
VNP-225EBK	7,41	18	27	23
VNP-325EBK	7,41	18	24	20
VNP-425EBK	7,41	18	24	20
VNP-S240ERD500M	7,41	18	24	20

Technical data:

Product code/ Article no.	Resistance	Voltage Drop (DC or Single Phase AC)	Current Rating (DC or Single Phase AC). Current Ratings listed are at 30°C Refer to BS7671/EE Wiring Regulations for de-rating factor.	
	Ohms/1 Km	Ohms mV/A/m	Cable clipped (A) Ref C	Enclosed (A) Ref B
VNP-225ERD200M	7,41	18	27	23
VNP-325ERD200M	7,41	18	24	20
VNP-425ERD200M	7,41	18	24	20
VNP-225EWT200M	7,41	18	27	23
VNP-325EWT200M	7,41	18	24	20
VNP-425EWT200M	7,41	18	24	20
VNP-225ERD500M	7,41	18	27	23
VNP-325ERD500M	7,41	18	24	20
VNP-425ERD500M	7,41	18	24	20
VNP-225EWT500M	7,41	18	27	23
VNP-325EWT500M	7,41	18	24	20
VNP-425EWT500M	7,41	18	24	20
VNP-S240ERD	4,61	11	36	30
VNP-S340ERD	4,61	11	32	27
VNP-S440ERD	4,61	11	32	27
VNP-S240EWT	4,61	11	36	30
VNP-S340EWT	4,61	11	32	27
VNP-S440EWT	4,61	11	32	27
VNP-S240EBK	4,61	11	36	30
VNP-S340EBK	4,61	11	32	27
VNP-S440EBK	4,61	11	32	27
VNP-S240ERD200M	4,61	11	36	30
VNP-S340ERD200M	4,61	11	32	27
VNP-S440ERD200M	4,61	11	32	27
VNP-S240EWT200M	4,61	11	36	30
VNP-S340EWT200M	4,61	11	32	27
VNP-S440EWT200M	4,61	11	32	27
VNP-S240ERD500M	4,61	11	36	30