

丁腈绝缘电力软电缆 NBR flexible power cable

产品用途

本产品具有耐寒、柔软、耐磨、防油等特性，适用于交流额定电压0.6/1kV及以下具有耐寒、防油等特殊要求的移动电器用连接电缆，目前本产品已广泛应用于冶金、电力、船舶、汽车制造等行业。

使用特性

- 1、交流额定电压：U0/U 0.6/1kV
最高工作温度：105℃
最低环境温度：固定敷设-60℃
- 2、电缆安装敷设温度应不低于0℃
- 3、电缆允许弯曲半径：最小为电缆外径的12倍。

Application

This product has the characteristics of cold resistant, flexible, abrasion resistant and oilproof etc. This product applies for movable devices connecting cable with special requirement (such as cold resistant and oilproof) of rated voltage up to and including 0.6/1kV. Thus it is widely used in metallurgy, electric power, shipbuilding and automobile industry etc.

Service property

1. The rated voltage U0/U of the cable should be 0.6/1kV. Maximum operating temperature should be 105 °C. Minimum ambient temperature should be -60°C for fixed laying.
2. Cable laying temperature should be not less than 0°C.
3. Allowed bending radius should be not less than 12 times outer diameter of the cable.

基本型号及名称 Type and description

型号 Type	名称 Description
YVFR	铜芯丁腈绝缘及护套电力软电缆 Copper core NBR insulated and sheath flexible power cable
YVFRP	铜芯丁腈绝缘及护套铜丝编织屏蔽电力软电缆 Copper core NBR insulated and sheath copper wire braided shielded flexible power cable

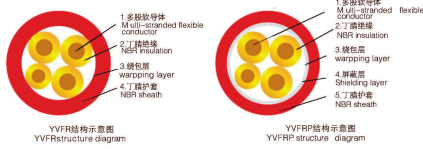
注：表中未列型号按下面的型号说明组成。

Note : The type not listed in the table should be comprised according to following type explanation.

代号名称和含义 Code and meaning

型号 Type	说明 Description
Y	系列代号（移动软电缆）Series code (movable flexible cable)
Z(A/B/C)	阻燃(A,B,C)级级Flame retardant grade (A/B/C)
VF	丁腈绝缘和护套NBR insulation and sheath
P	铜丝编织屏蔽Copper wire braided shield
R	第5种铜导体Class 5 copper conductor

产品结构示意图 Structure diagram



主要技术指标

- 20°C时导体直流电阻符合GB/T3956规定；
- 20°C时绝缘电阻不小于500MΩ.km；
- 电缆经受交流3.5kV/5min电压试验不击穿。

Main technical index

- Conductor d.c. resistance at 20 °C complies with stipulations of GB/T3956.
- Insulation resistance at 20°C should be not less than 500MΩ.km.
- Cable withstand a.c. 3.5kV for 5 minutes without puncture.

基本电缆规格和结构参数 Cable specification and structural parameter

芯数×标称截面 (mm²) Number of cores × nominal cross section area	电缆参考外径 (mm) Cable reference diameter		电缆参考重量 (kg/km) Cable reference weight		芯数×标称截面 (mm²) Number of cores × nominal cross section area	电缆参考外径 (mm) Cable reference diameter		电缆参考重量 (kg/km) Cable reference weight	
	YVFR	YVFRP	YVFR	YVFRP		YVFR	YVFRP	YVFR	YVFRP
1×1.5	6.0	-	54	-	2×6	15.2	15.5	307	331
1×2.5	6.4	-	66	-	2×10	18.2	18.5	450	480
1×4	7.4	-	93	-	2×16	20.4	20.7	601	636
1×6	8.3	-	121	-	2×25	24.2	24.7	875	933
1×10	9.8	-	177	-	2×35	28.2	28.7	1096	1158
1×16	10.9	-	239	-	2×50	30.8	31.5	1533	1642
1×25	12.8	-	349	-	2×70	35.0	36.1	2012	2181
1×35	13.8	-	443	-	2×95	39.6	40.9	2670	2862
1×50	16.0	-	619	-	2×120	44.6	45.9	3321	3538
1×70	18.2	-	817	-	2×150	48.6	50.1	4067	4326
1×95	20.4	-	1075	-	2×185	52.6	53.9	4932	5187
1×120	23.0	-	1336	-	3×1.5	11.1	11.3	163	178
1×150	24.9	-	1639	-	3×2.5	12.0	12.2	204	218
1×185	28.9	-	1999	-	3×4	14.1	14.4	290	312
1×240	30.7	-	2587	-	3×6	16.1	16.4	384	410
1×300	34.3	-	3153	-	3×10	19.3	19.6	571	604
2×1.5	10.8	10.8	106	150	3×16	21.7	22.0	776	813
2×2.5	11.4	11.6	168	181	3×25	25.8	26.3	1147	1207
2×4	13.4	13.6	296	282	3×35	28.0	28.7	1455	1534

续上表Continued

芯数×标称截面 (mm²) Number of cores × nominal cross section area	电缆参考外径 (mm) Cable reference diameter		电缆参考重量 (kg/km) Cable reference weight		芯数×标称截面 (mm²) Number of cores × nominal cross section area	电缆参考外径 (mm) Cable reference diameter		电缆参考重量 (kg/km) Cable reference weight	
	YVFR	YVFRP	YVFR	YVFRP		YVFR	YVFRP	YVFR	YVFRP
3×50	52.3	53.8	6528	5807	3×10+1×6	20.2	20.5	630	664
3×70	56.6	57.9	6727	7002	3×16+1×10	23.1	23.4	884	923
3×95	64.7	66.2	8725	9070	3×25+1×16	27.3	27.8	1326	1389
3×120	11.9	12.1	194	208	3×35+1×16	28.1	28.8	1601	1684
3×150	12.9	13.1	245	261	3×50+1×25	34.6	35.7	2297	2464
3×185	15.3	15.6	355	380	3×70+1×35	39.0	40.1	3040	3211
3×240	17.5	17.8	474	503	3×95+1×50	44.8	45.9	4098	4295
4×1.5	21.1	21.4	714	749	3×120+1×70	50.5	51.8	5147	5392
4×2.5	12.9	13.1	245	261	3×150+1×70	54.2	55.7	6160	6439
4×4	15.3	15.6	355	380	3×185+1×95	59.2	60.5	7569	7977
4×6	17.5	17.8	474	503	3×240+1×120	67.6	69.1	9807	10167
4×10	21.1	21.4	714	749	3×4+2×2.5	15.5	15.8	346	371
4×16	23.8	24.1	979	1020	3×6+2×4	18.1	18.4	478	506
4×25	28.4	29.1	1458	1539	3×10+2×6	21.5	21.8	702	738
4×35	31.0	31.7	1864	1974	3×16+2×10	24.9	25.4	1007	1065
4×50	36.5	37.8	2543	2837	3×25+2×16	29.1	29.8	1477	1560
4×70	41.8	42.9	3530	3713	3×35+2×16	31.0	31.7	1790	1890
4×95	47.3	48.6	4677	4907	3×50+2×25	36.8	38.1	2566	2762
4×120	53.5	54.8	5840	6100	3×70+2×35	41.5	42.6	3418	3600
4×150	58.3	59.8	7187	7498	3×95+2×50	47.6	48.9	4614	4845
4×185	63.1	64.4	8753	9059	3×120+2×70	54.1	55.6	5879	6168
5×1.5	12.8	13.0	228	243	3×150+2×70	57.4	58.9	6871	7177
5×2.5	13.9	14.2	290	312	3×185+2×95	63.1	64.4	8664	8970
5×4	16.6	16.9	425	452	3×240+2×120	71.9	73.4	11028	11409
5×6	19.1	19.4	571	603	4×4+1×2.5	16.1	16.4	386	412
5×10	23.1	23.4	867	906	4×6+1×4	18.6	18.9	524	554
5×16	26.1	26.6	1194	1256	4×10+1×6	22.3	22.6	784	822
5×25	31.4	32.1	1792	1903	4×16+1×10	25.5	25.0	1100	1160
5×35	34.3	35.4	2335	2471	4×25+1×16	30.4	30.9	1638	1718
5×50	40.6	41.7	3338	3485	4×35+1×16	32.5	33.2	2031	2146
5×70	46.2	47.5	4362	4586	4×50+1×25	38.7	39.8	2943	3113
5×95	52.6	53.9	5815	6071	4×70+1×35	43.8	45.1	3879	4092
5×120	59.3	60.8	7233	7549	4×95+1×50	50.1	51.4	5210	5454
5×150	64.8	66.3	8933	9279	4×120+1×70	56.8	58.1	6565	6941
5×185	70.1	71.6	10878	11251	4×150+1×70	61.1	62.6	7983	8219
3×4+1×2.5	14.7	15.0	315	339	4×185+1×95	66.6	68.1	9713	10068
3×6+1×4	17.0	17.3	427	455					