



## • Application

Flat twin & earth wire is designed for fixed installation in dry or damp premises. It can be installed on walls, boards, or trays, in channels, or embedded in plaster. This makes it suitable for a variety of domestic and light industrial wiring applications.

## • Performance

Electrical Performance:  
Voltage rating: 450/750V  
Chemical Performance:  
Resistant to chemicals and oil  
Mechanical Performance:  
Minimum bending radius: 4 x cable diameter  
Thermal Performance:  
Maximum service temperature: 70°C  
Maximum short-circuit temperature: 160°C (max. 5 seconds)  
Minimum service temperature: -40°C  
Fire Performance:  
Flame retardant

## • Construction

Phase Conductor:  
Class 1 plain copper, solid, or Class 2 plain copper, stranded  
Insulation:  
PVC type T1 1, with color coding in brown and blue  
Earth Conductor:  
Class 1 plain copper, solid, or Class 2 plain copper, stranded  
Outer Sheath:  
PVC type 6, gray

## • Specification

-BS 6004 Standard 6242Y Flat Twin & Earth Wire

## • Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction. CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

## • Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



## • National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

\*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Nominal Cross Section Area	Phase Conductor		Insulation		Earth Conductor			Outer Sheath		Approx. Weight
	No./Dia.of Wire	Conductor Dia.	Nominal Thickness	Insulation Dia.	No. of Wires	Dia. of Wire	Conductor Dia.	Nominal Thickness	Overall Dia.	
mm <sup>2</sup>	No./mm	mm	mm	mm	No.	mm	mm	mm	mm	kg/km
2x1.0+1.0	1/1.13	1.13	0.6	2.33	1	1.13	1.13	0.9	7.59x4.13	63.9
2x1.5+1.0	1/1.38	1.38	0.7	2.78	1	1.13	1.13	0.9	8.49x4.58	80.3
2x2.5+1.5	1/1.78	1.78	0.8	3.38	1	1.38	1.38	1	10.14x5.38	118.5
2x4+1.5	7/0.85	2.55	0.8	4.15	1	1.38	1.38	1	11.68x6.15	157.8
2x6+2.5	7/1.04	3.12	0.8	4.72	1	1.78	1.78	1.1	13.42x6.92	218.6
2x10+4	7/1.35	4.05	1	6.05	7	0.85	2.55	1.2	17.05x8.45	346.7
2x16+6	7/1.70	5.1	1	7.1	7	1.04	3.12	1.3	19.92x9.70	501.5