




**TYCAB New Zealand LTD**  
**H1Z2Z2-K1x4mm2-BK-100**  
**Approval Sheets**

<b>TYPE</b>	EN50618/IEC62930	<b>DOC.REF</b>	TY2023
<b>Cross-Section</b>	H1Z2Z2-K 1X4mm2	<b>Edition</b>	A/0
			
<b>Wire&amp;Cable Construction</b>		<b>Electrical Properties</b>	
<b>Conductor</b>		Voltage rating: AC 0.6/1KV,DC 1.5KV	
Construction Item(units)	4mm2	Temperature rating: -40~90C	
Construction(mm)	56/0.285±0.008	Dielectric strength: AC-6.5kV/5min	
Material	class 5 tinned copper wire	Spark test : AC-10kV/In the air	
O.D(mm)	2.45	Conductor resistance: 5 .09ΩKM Max at20°C	
<b>Insulation</b>		Weathering/UV-resistance: 720h, No cracking	
Material	XLPO	<b>Physical Properties</b>	
Avg.Thickness(mm)	0.70	Elongation of unaged values(%)≥125%	
Min.Thickness(mm)	0.50	Insulation Tensile strength of unaged values (N/mm2):≥6.5;	
O.D(mm)	4.2±0. 15	Jacket Tensile strength of unaged values (N/mm2):≥8.0	
Color	Black	Aged in a full draft circulating air oven: 150±2.0°C/168h	
<b>Jacket</b>		Elongation of After aging(%)≤30%	
Material	XLPO	Tensile strength of After aging: ≤30%	
Avg.Thickness(mm)	0.80	Ozone resistance:25±2°C*24h No cracking	
Min.Thickness(mm)	0.60	Cold bend test: -40±2°C*16h No cracking	
O.D(mm)	5.5±0.2	Cold impact test:-40°C*16h/1000g; 100mm No cracking	
Color	Black	Flame test iec60332	
Surface	/		
<b>Marking</b>			
NINGBO HAISHU TIANYU CABLES & WIRE CO., LTD 2023 R50549391 IEC131-1X4mm <sup>2</sup> 0.6/1KV AC 1.5KV DC SOLAR CABLE TÜV 62930 IEC 131 - DC USE ONLY - DO NOT DISCONNECT UNDER LOAD 001M...100M			