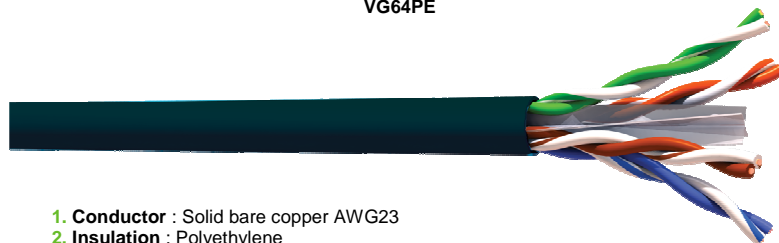


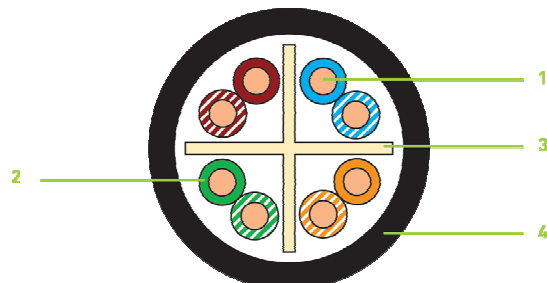
## REF : VG64PE

Cable 100  $\Omega$  U/UTP 4 pairs category 6 – 250 MHz - Polyethylene outer sheath

VG64PE



1. **Conductor** : Solid bare copper AWG23
2. **Insulation** : Polyethylene
3. **Central member** : Transparent or white thermoplastic cross
4. **Outer sheath**: Polyethylene ; colour: black



## Application

The U/UTP (Foiled twisted pairs) cable is used in a horizontal or vertical configuration (Backbone) and constitutes the base of a very high bit rate V.D.I. (Voice-Data-Image) network.

The polyethylene outer sheath, weatherproof and resistant to UV, makes it suitable for external use.

This cat.6 cable is used for transmission of digital and analogue voice, data and video signals.

It can transmit :

- ISDN
- ETHERNET 10 Base T - *Ethernet*
- TOKEN RING 4/16 Mbits
- ETHERNET 100 Base Tx, 100 Base T4 – *Fast Ethernet*
- ETHERNET 1000 Base T – *Gigabit Ethernet*
- 100 VG-AnyLAN
- TP-PMD/TP-DDI
- ATM 155, 622Mbits/s and 1,2Gbits/s

## Standards

<b>CABLE</b>	IEC 61156-5– Category 6
<b>SYSTEM</b>	ISO 11801 – CLASSE E

## Electrical properties @20°C

Max. electrical linear resistance : 95 $\Omega$ / Km
Mutual capacity (nom.) : 50 pF / m
Characteristic impedance: 100 $\Omega$
Velocity of propagation : 69 %

## Other characteristics

Operating temperature : - 30° C / + 70°C
Minimum bending radius: 8 x cable diameter
Conform to RoHS directive

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### Transmission performances @20°C

Frequency (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB)	
	(*)Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value
<b>4</b>	3.8	<b>3.5</b>	66.3	<b>69</b>	63.3	<b>66</b>	55.8	<b>67</b>	52.8	<b>64</b>	23.0	<b>25</b>
<b>10</b>	6.0	<b>5.5</b>	60.3	<b>63</b>	57.3	<b>60</b>	47.8	<b>60</b>	44.8	<b>57</b>	25.0	<b>28</b>
<b>16</b>	7.6	<b>6.9</b>	57.2	<b>60</b>	54.2	<b>57</b>	43.7	<b>66</b>	40.7	<b>63</b>	25.0	<b>28</b>
<b>31.25</b>	10.7	<b>9.8</b>	52.9	<b>55</b>	49.9	<b>52</b>	37.9	<b>51</b>	34.9	<b>48</b>	23.6	<b>27</b>
<b>62.5</b>	15.5	<b>13.9</b>	48.4	<b>51</b>	45.4	<b>48</b>	31.9	<b>43</b>	29.1	<b>40</b>	21.5	<b>25</b>
<b>100</b>	19.9	<b>17.5</b>	45.3	<b>48</b>	42.3	<b>45</b>	27.8	<b>40</b>	24.8	<b>37</b>	20.1	<b>25</b>
<b>200</b>	29.1	<b>25.3</b>	40.8	<b>44</b>	37.8	<b>41</b>	21.8	<b>34</b>	18.8	<b>31</b>	18.0	<b>24</b>
<b>250</b>	33.0	<b>28.3</b>	39.3	<b>42</b>	36.3	<b>39</b>	19.8	<b>27</b>	16.8	<b>24</b>	17.3	<b>23</b>
<b>350</b>	NA	<b>36.2</b>	NA	<b>38</b>	NA	<b>35</b>	16.9	<b>22</b>	NA	<b>19</b>	NA	<b>21</b>

(\*)Standard: Values from IEC 61156-5.

(\*\*)NA: not applicable

### Ordering information

Reference	<b>VG64PE</b>
Pairs	4
AWG	23
Diameter (mm)	6.2
Weight (Kg/Km)	46
Conditioning	500m & 1000m drums